

FIG. 1

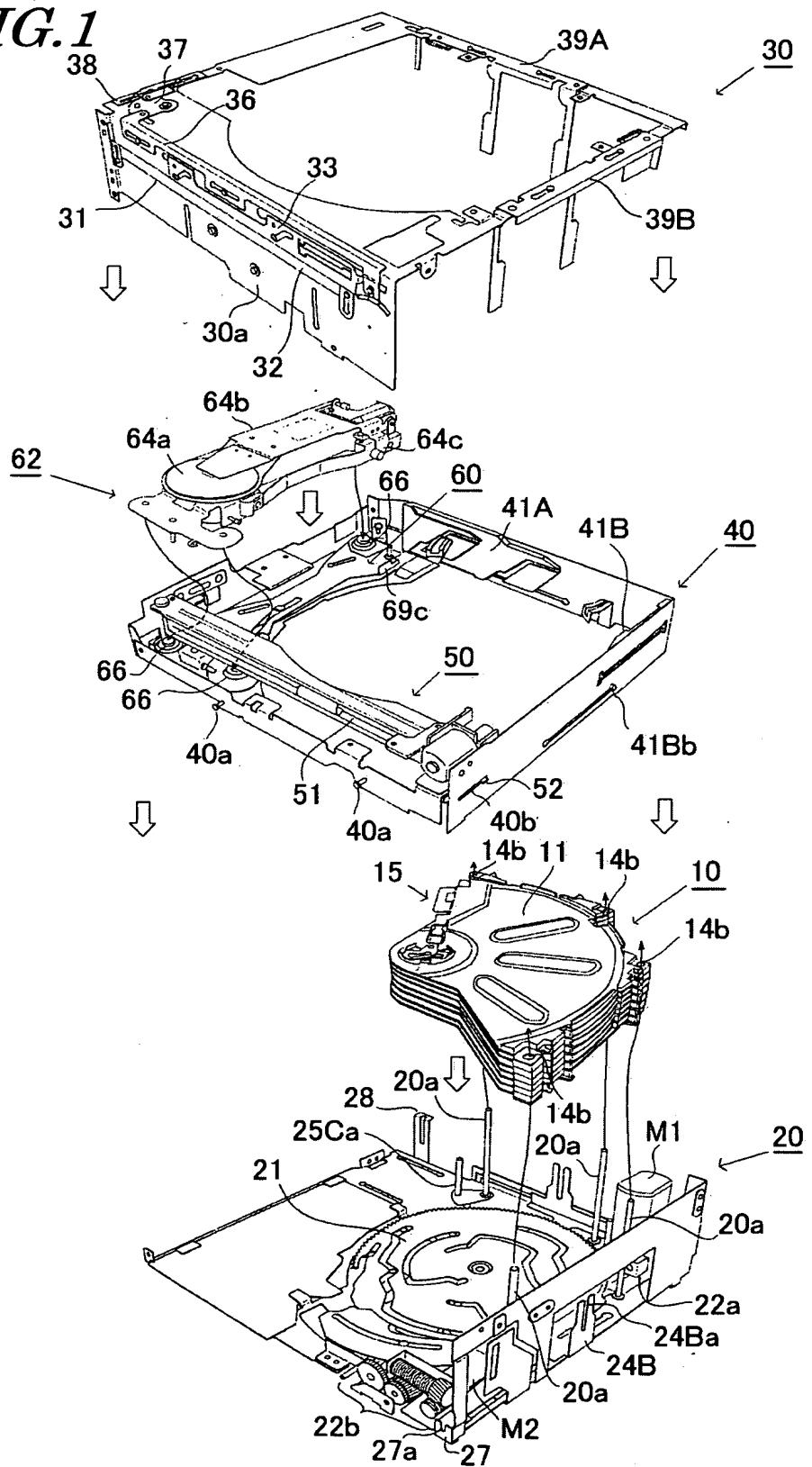


FIG.2

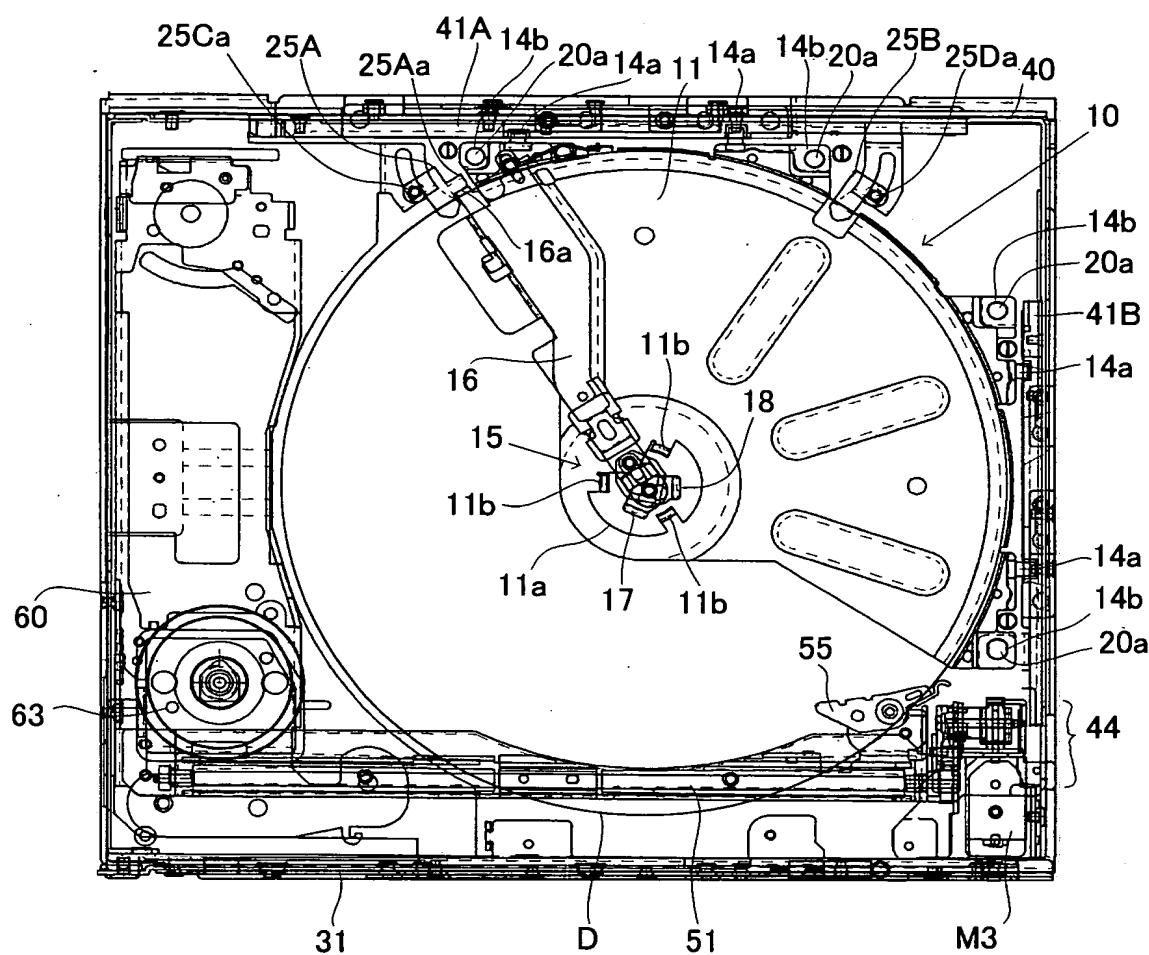


FIG.3

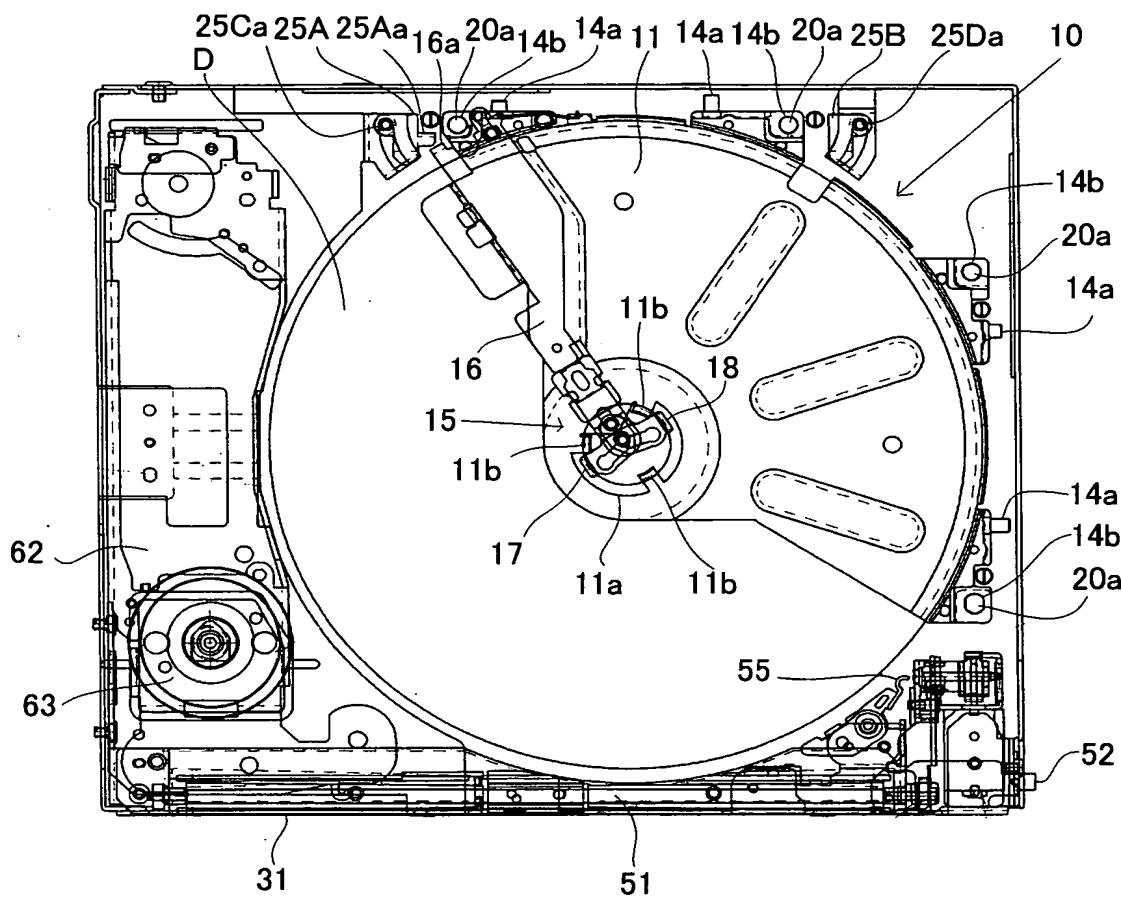


FIG.4

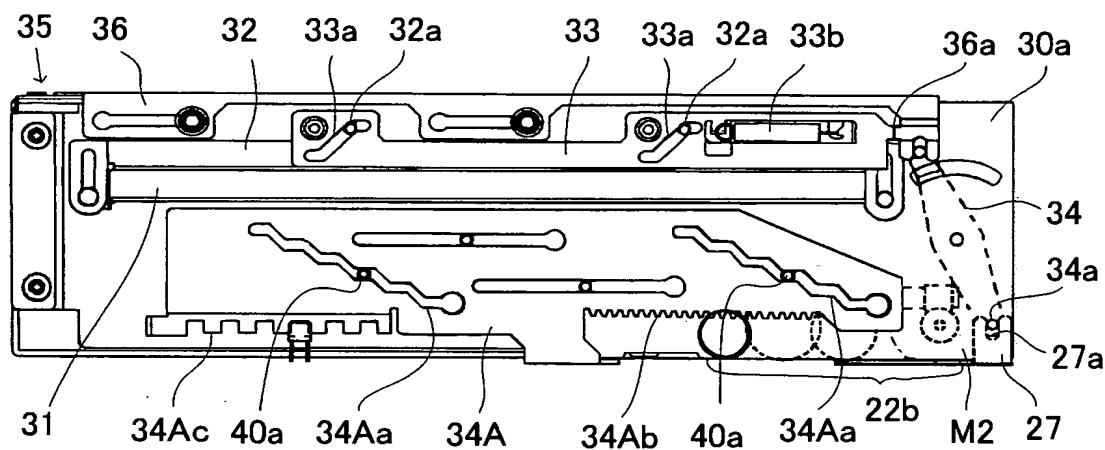


FIG.5

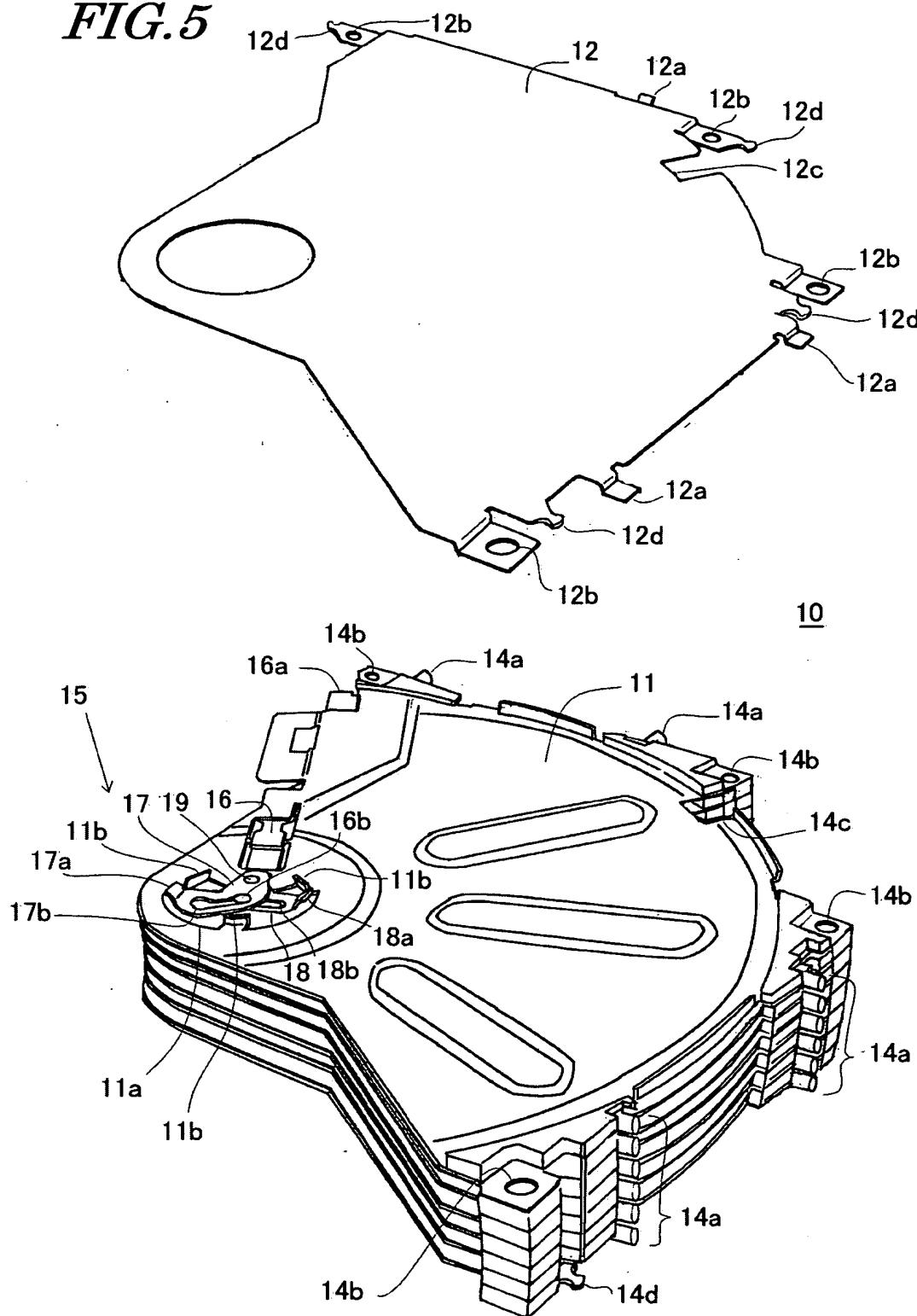


FIG. 6

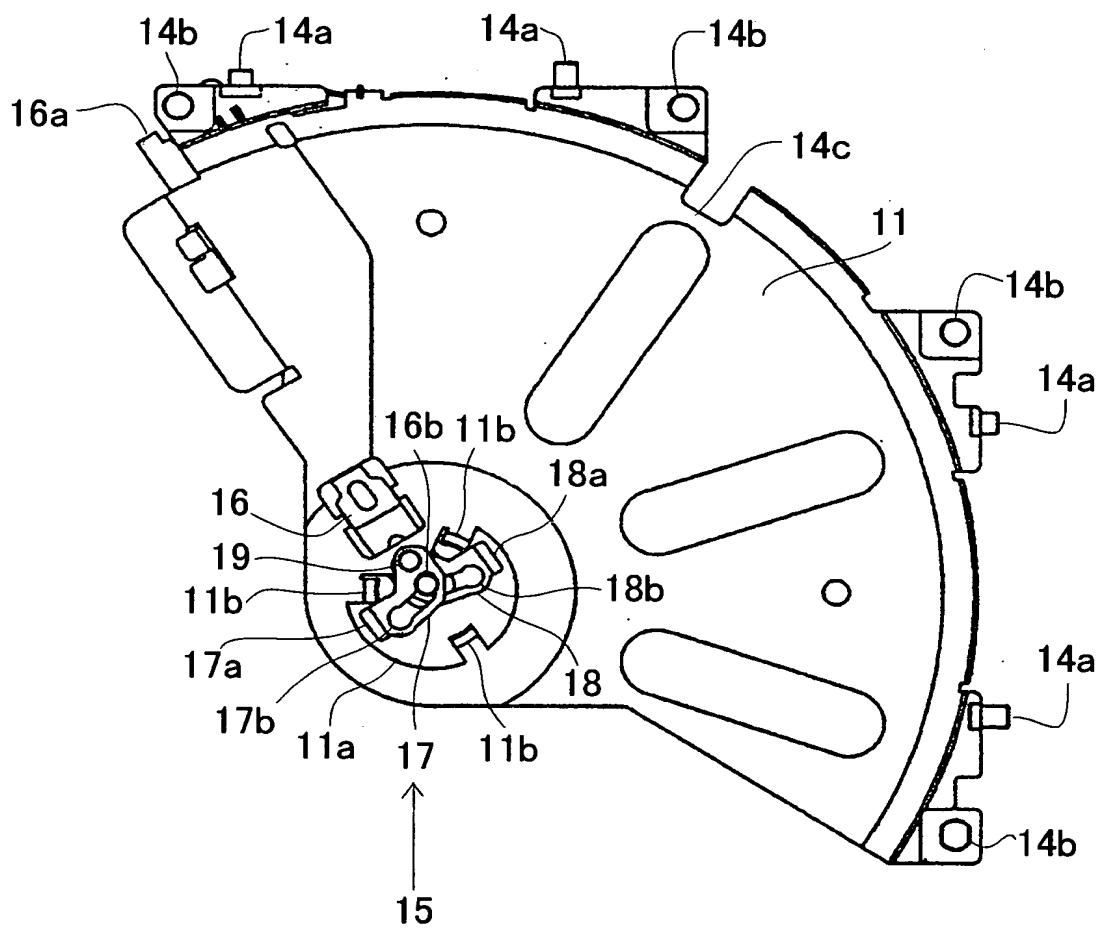


FIG. 7

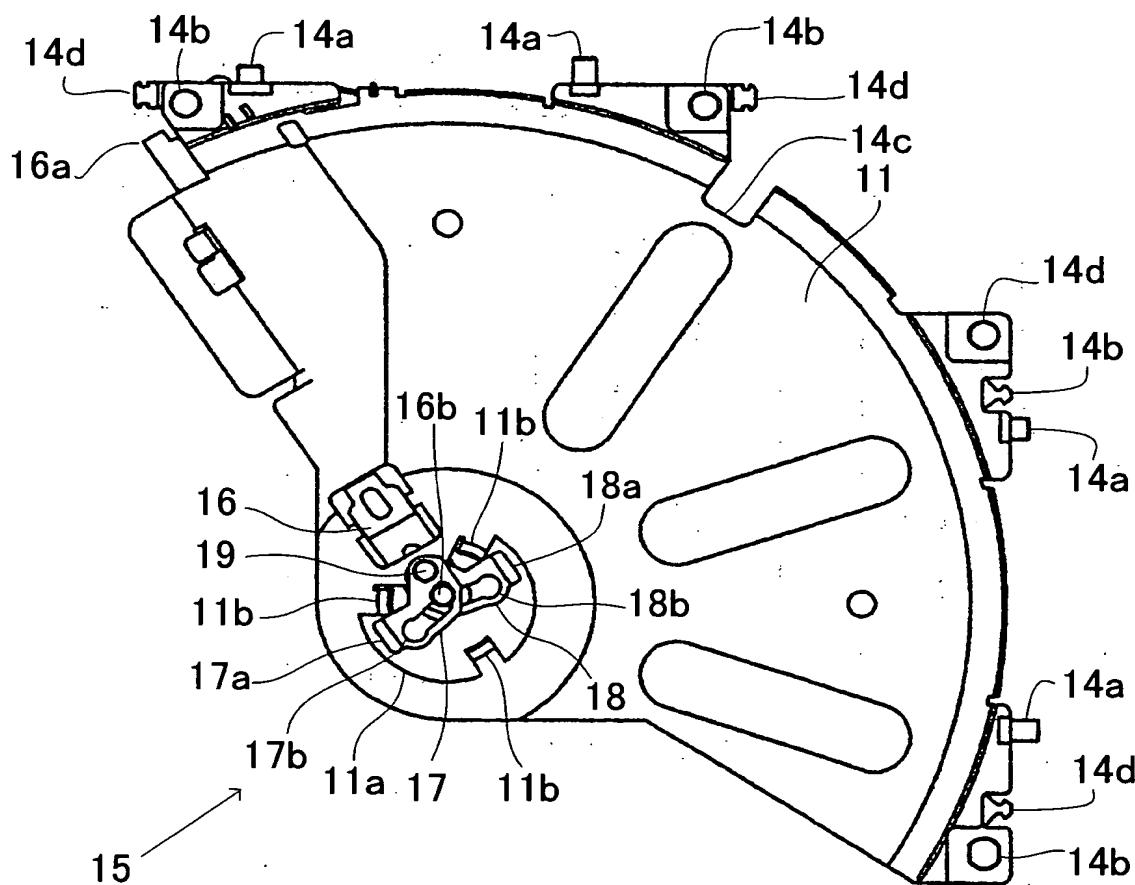


FIG. 8

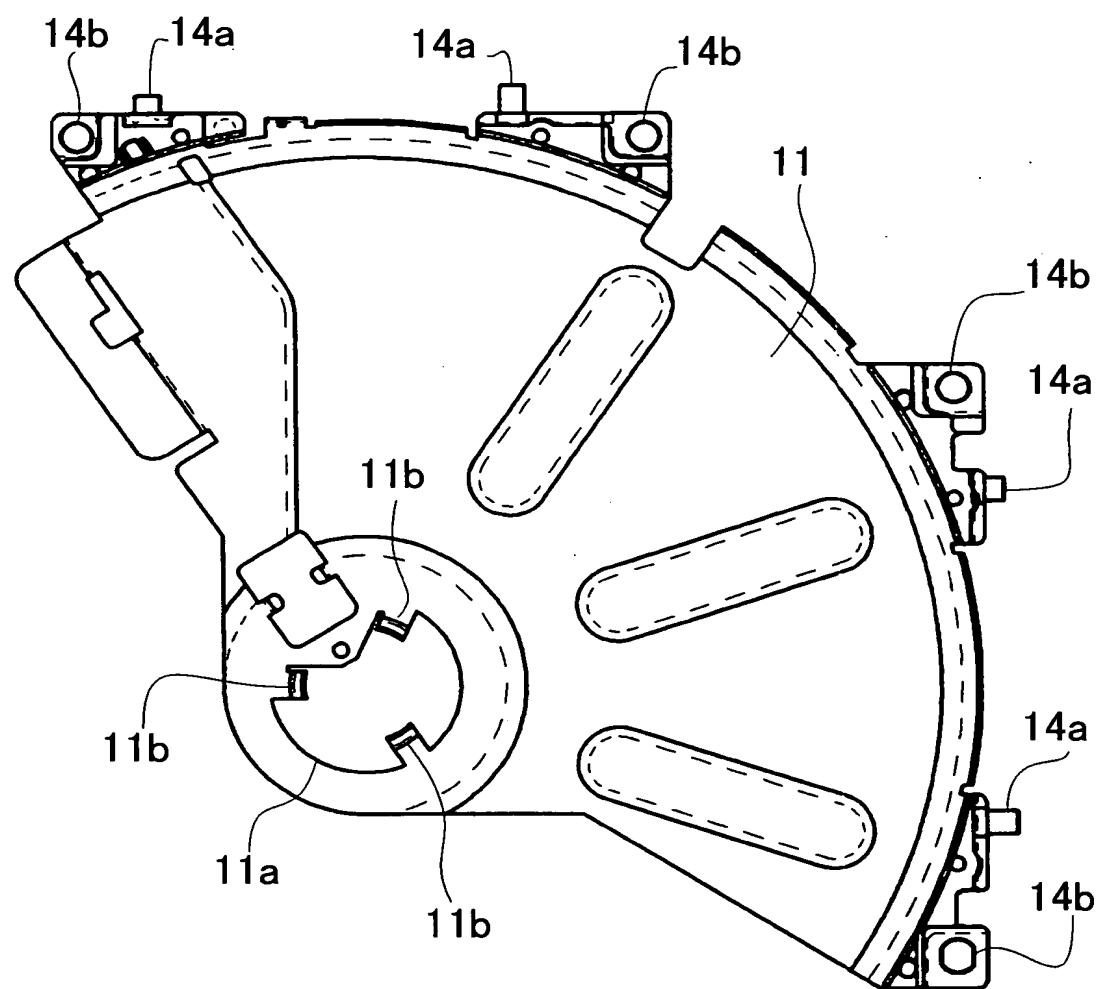


FIG. 9

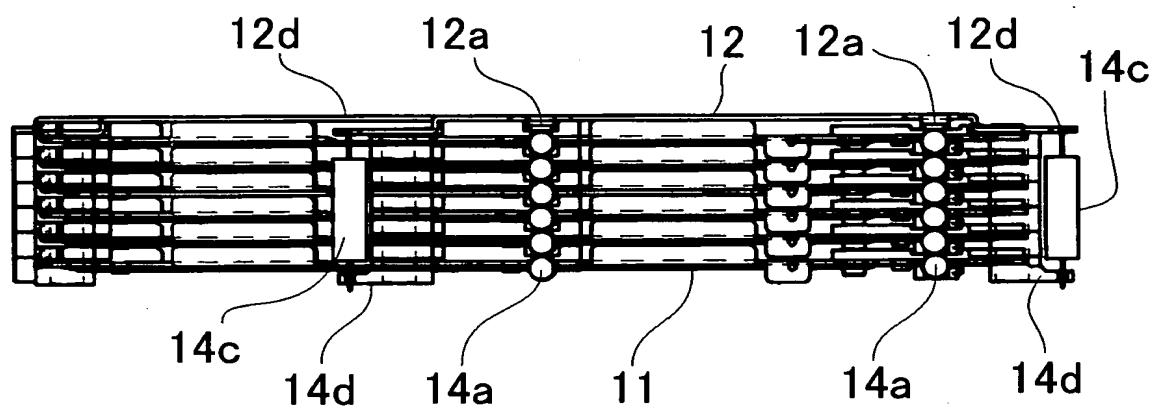


FIG. 10

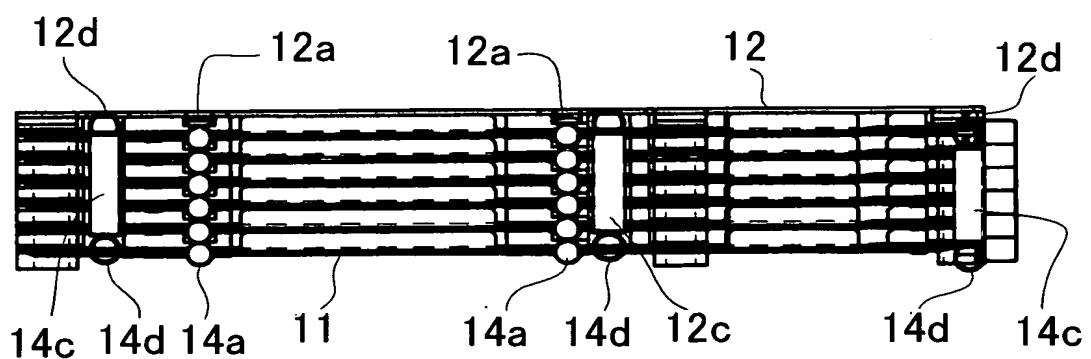


FIG. 11

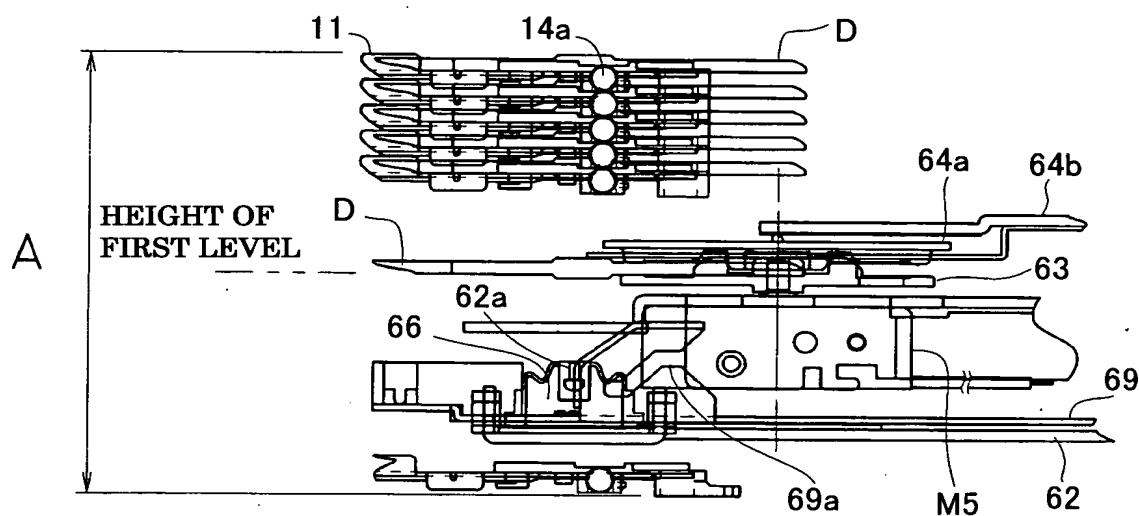


FIG. 12

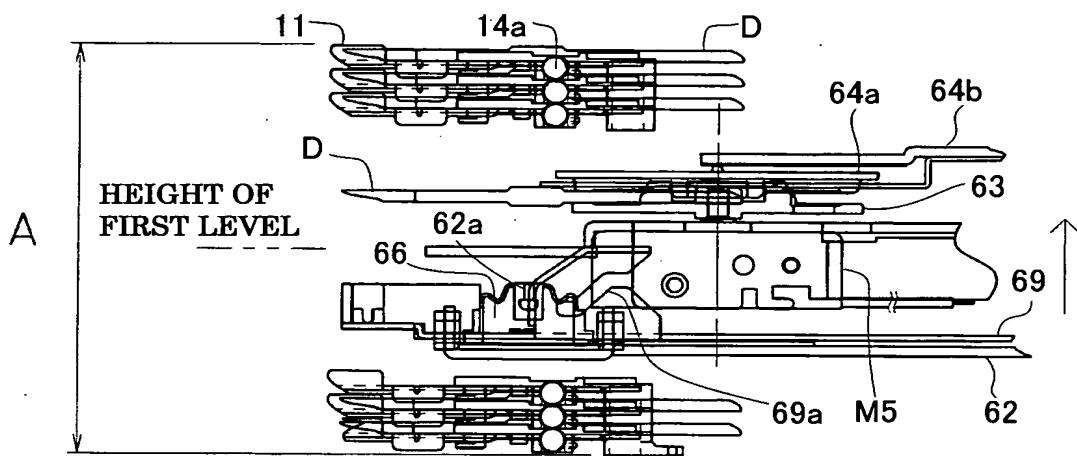


FIG. 13

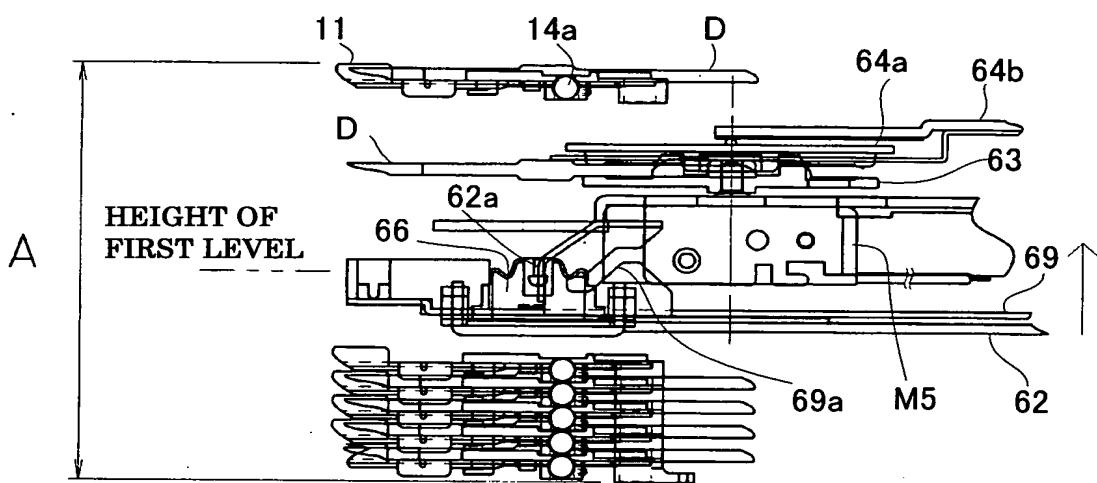


FIG. 14

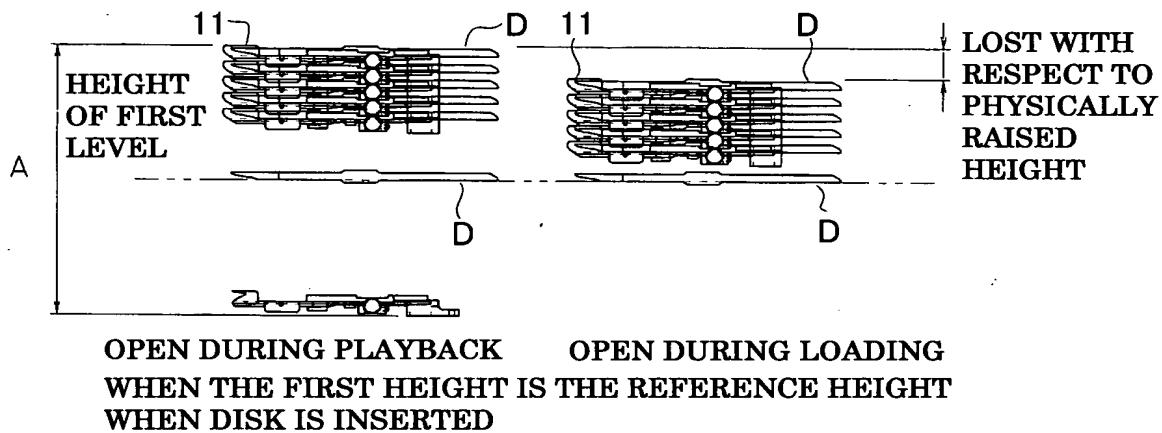


FIG. 15

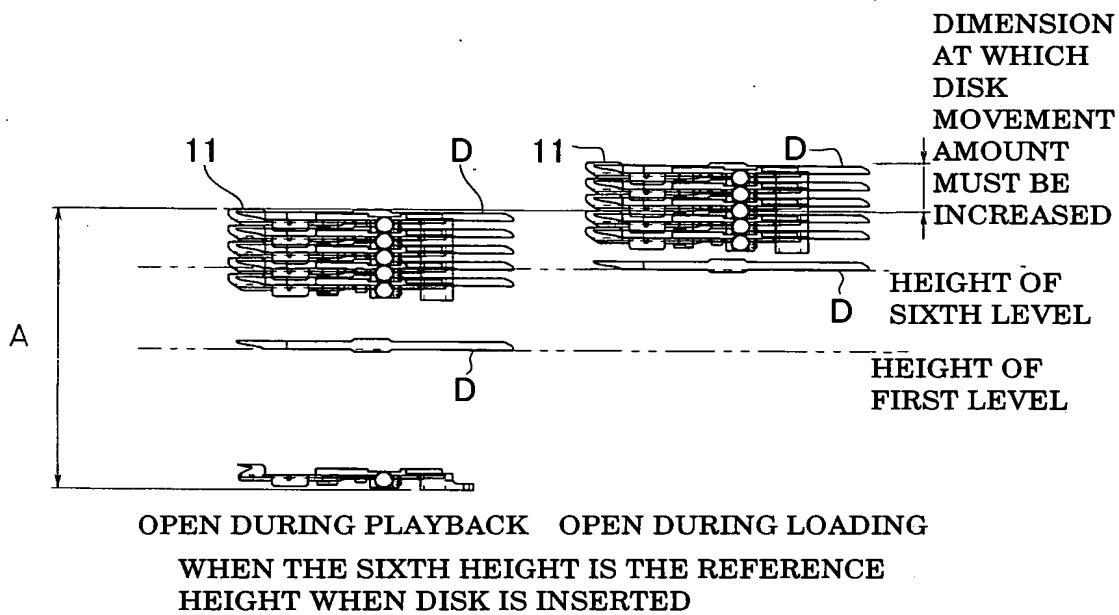


FIG. 16

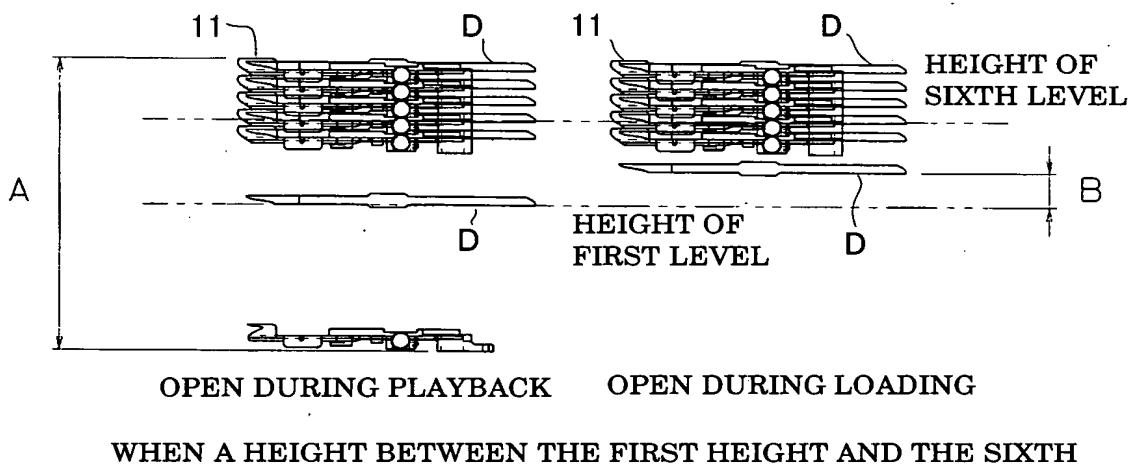


FIG. 17

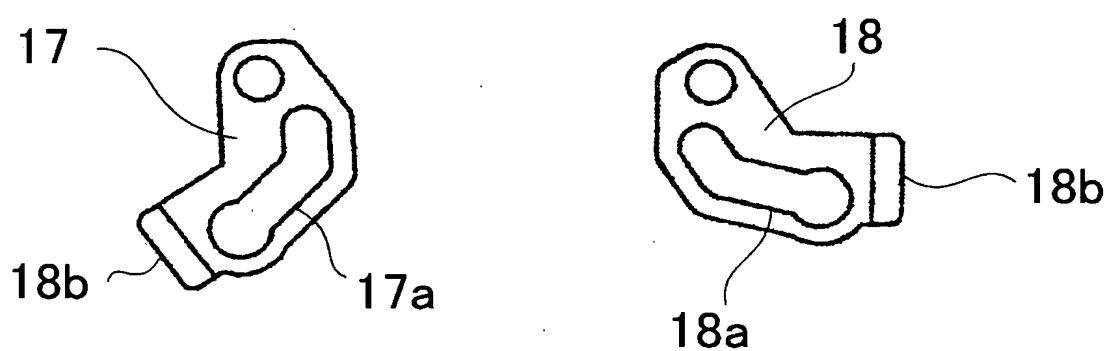


FIG. 18

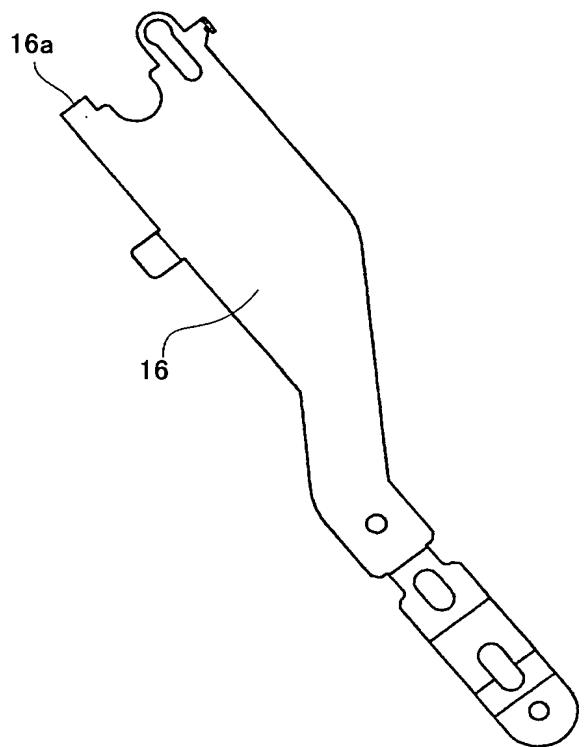


FIG. 19

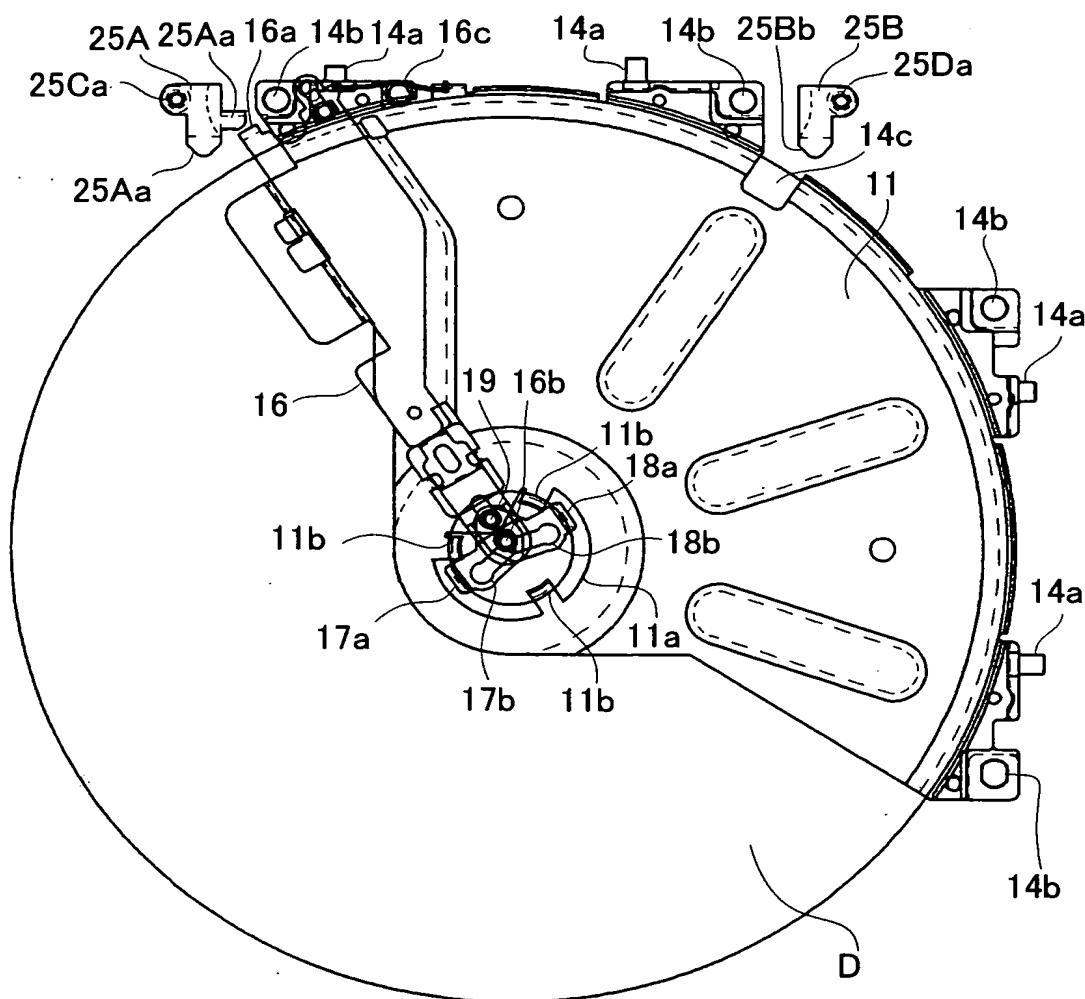


FIG.20

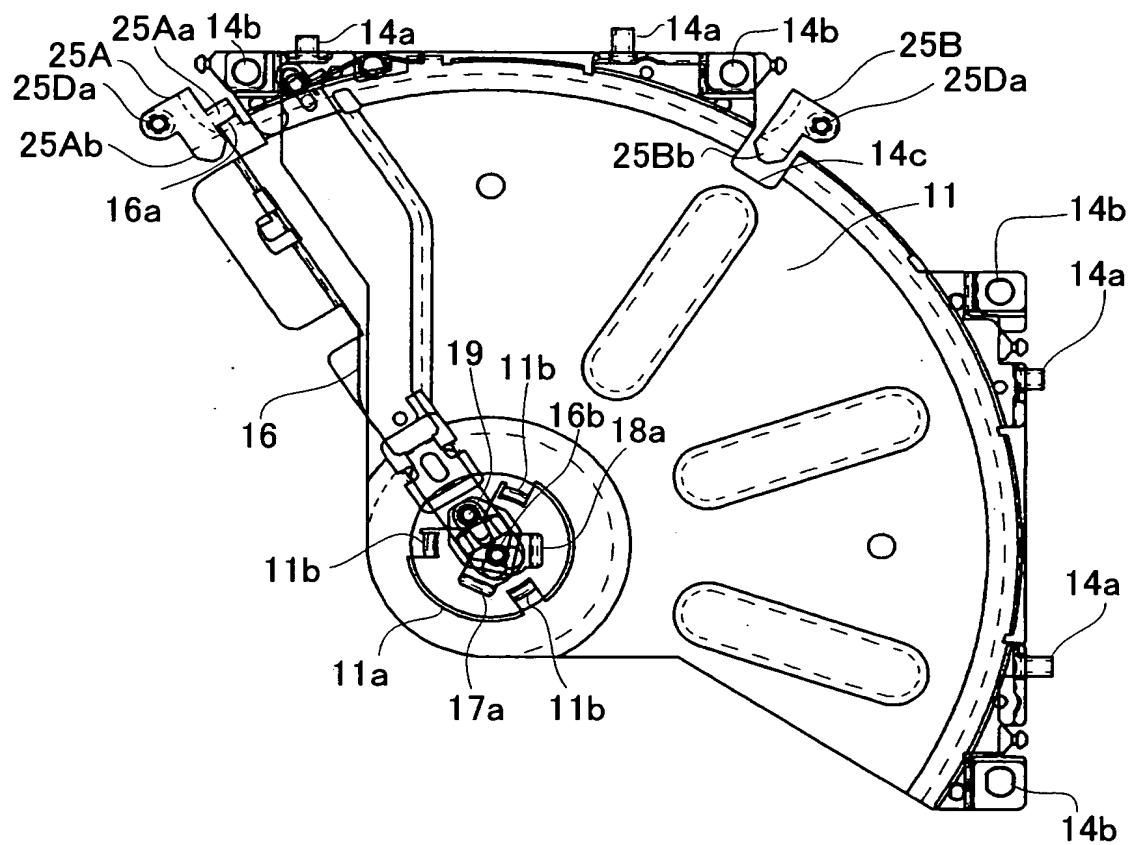


FIG. 21

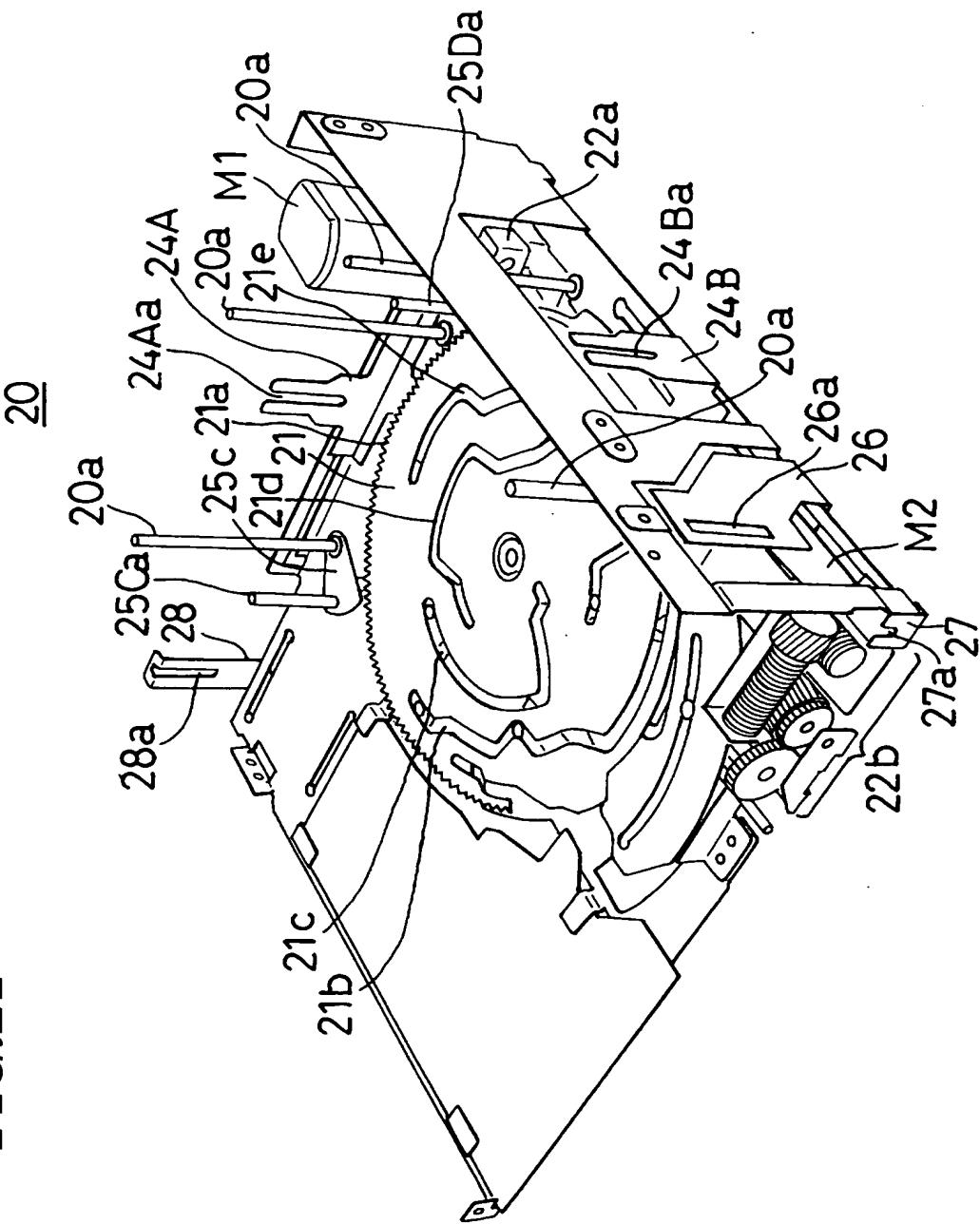


FIG.22

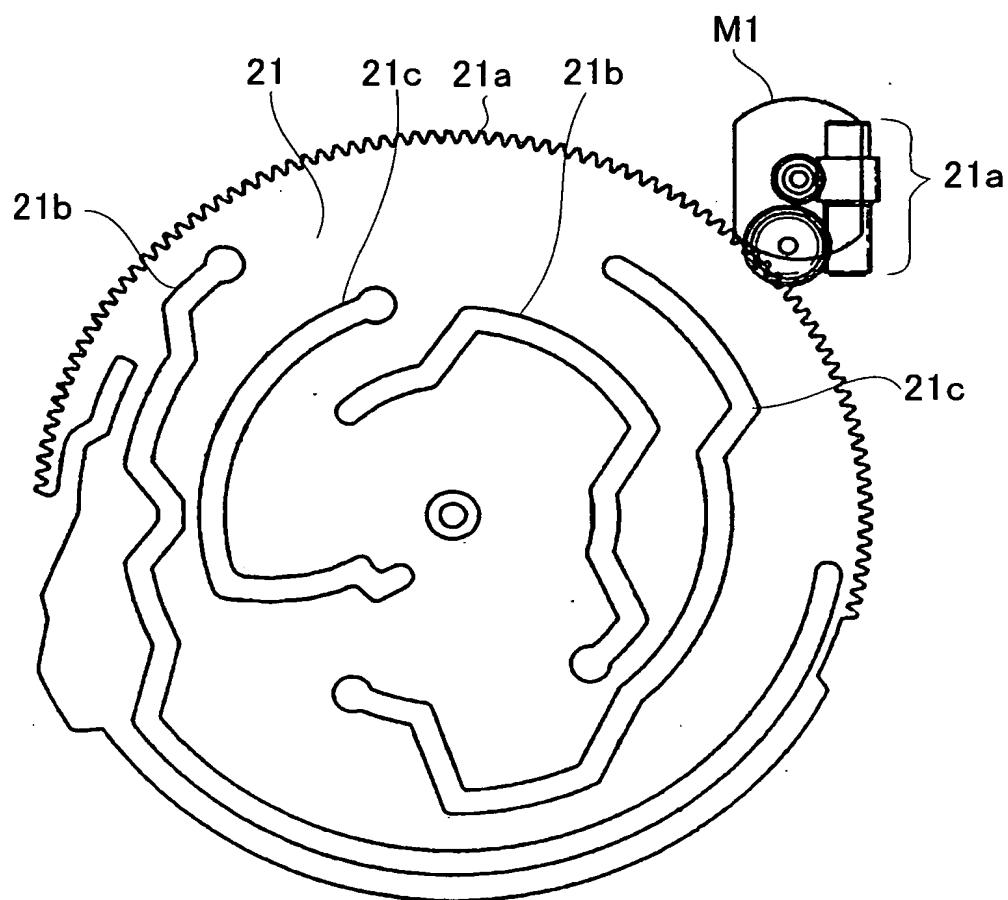


FIG.23

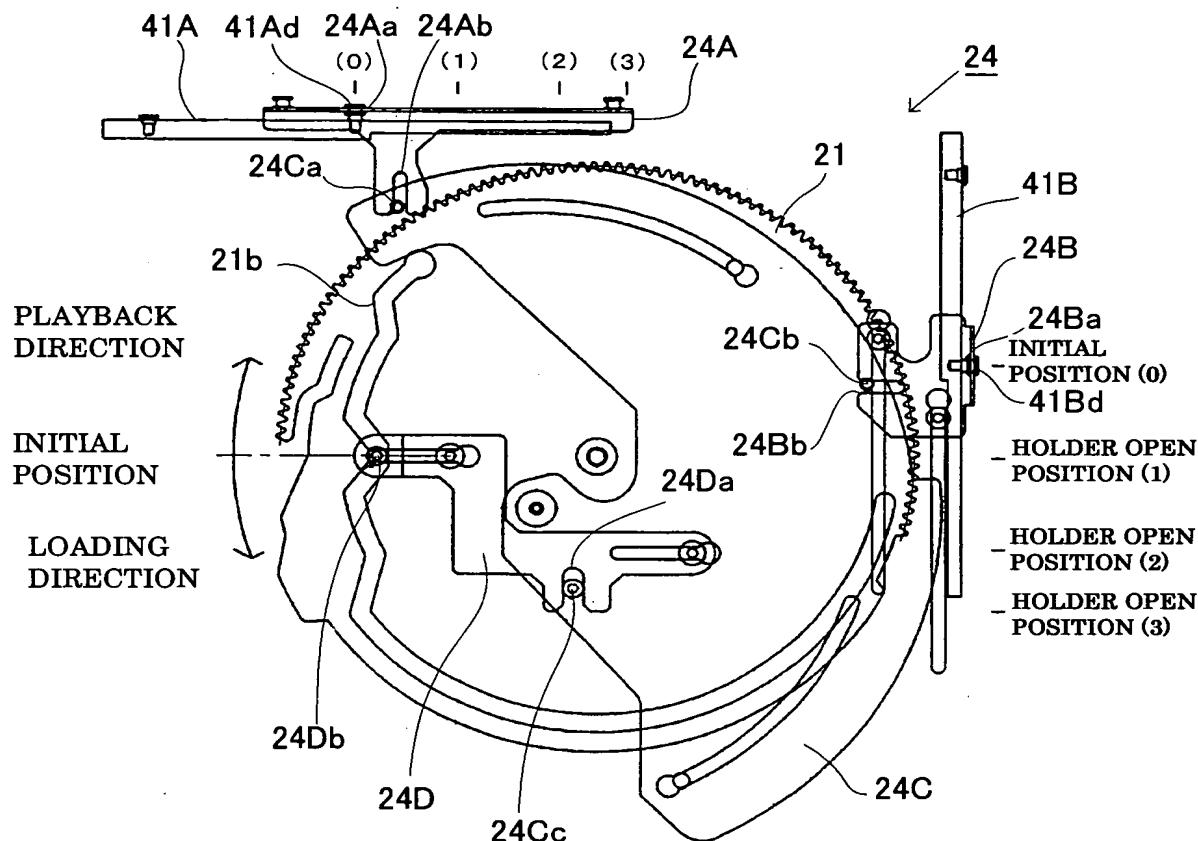


FIG. 24

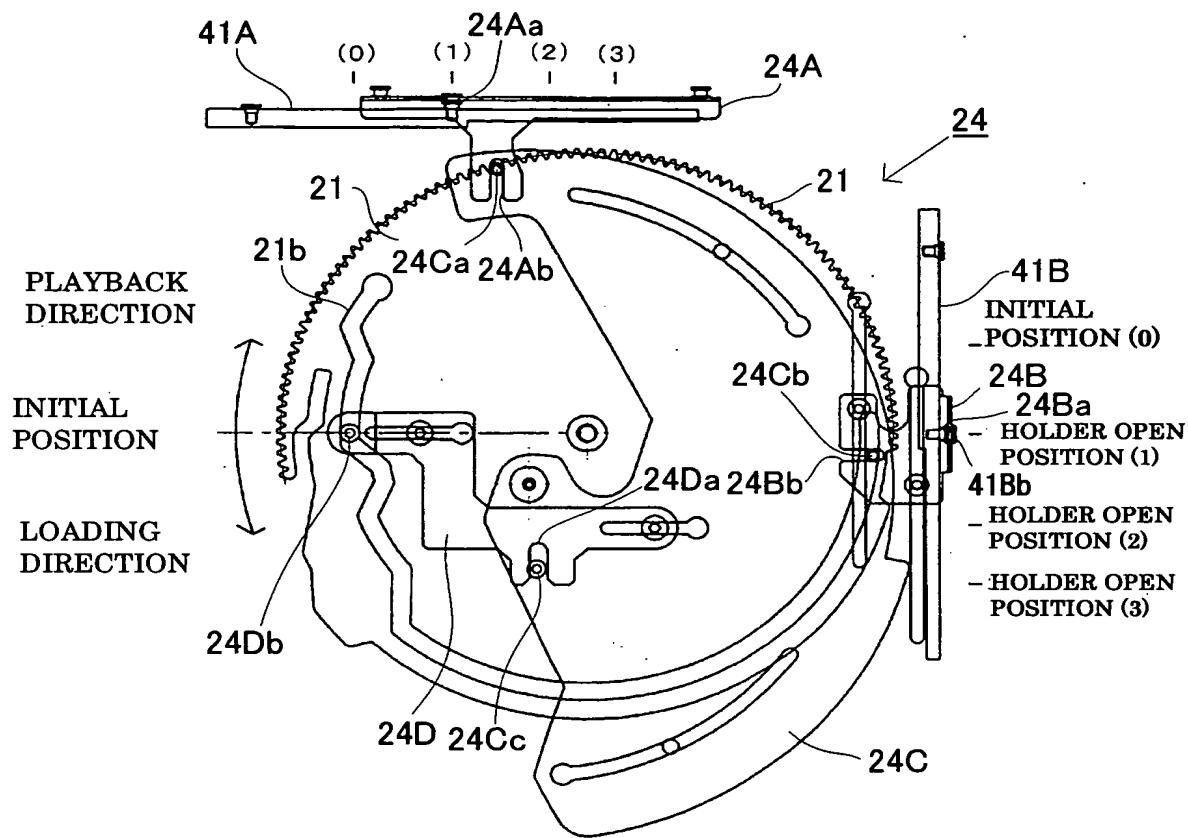


FIG.25

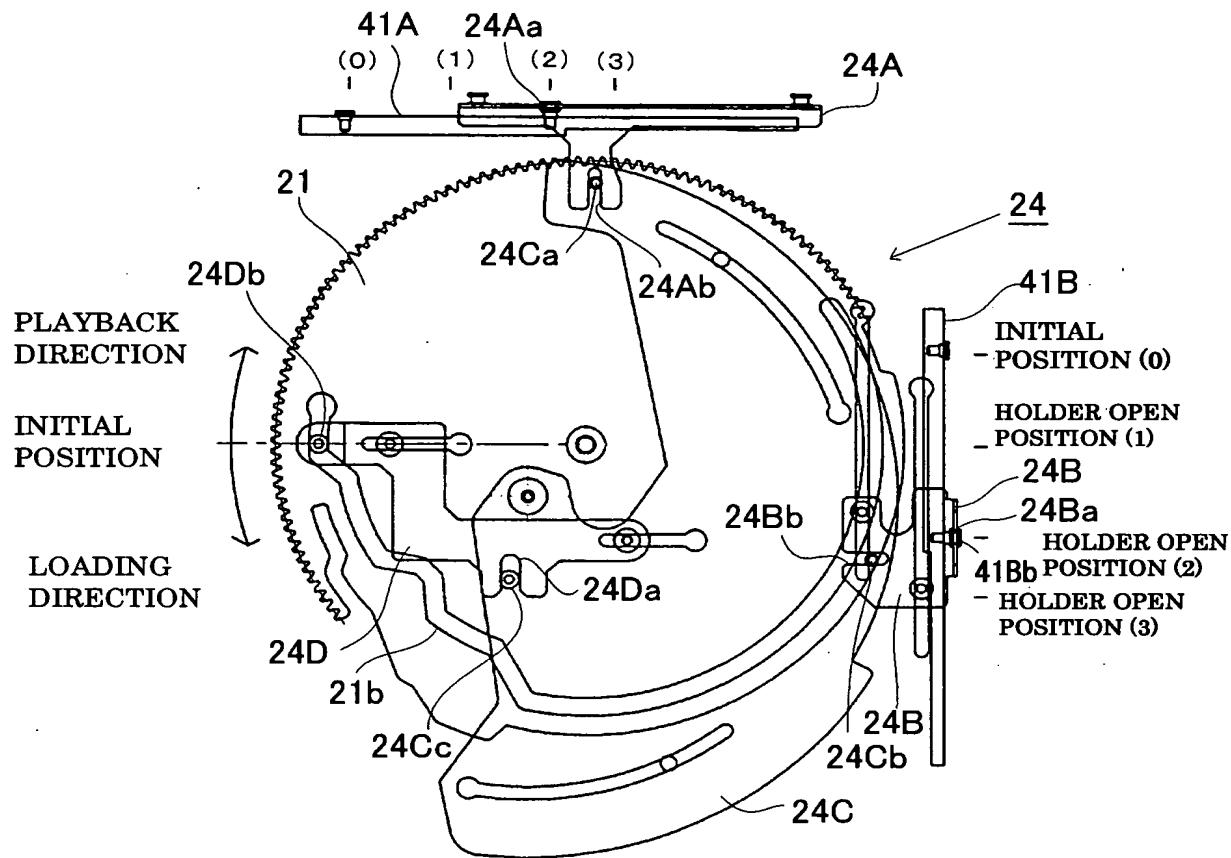


FIG. 26

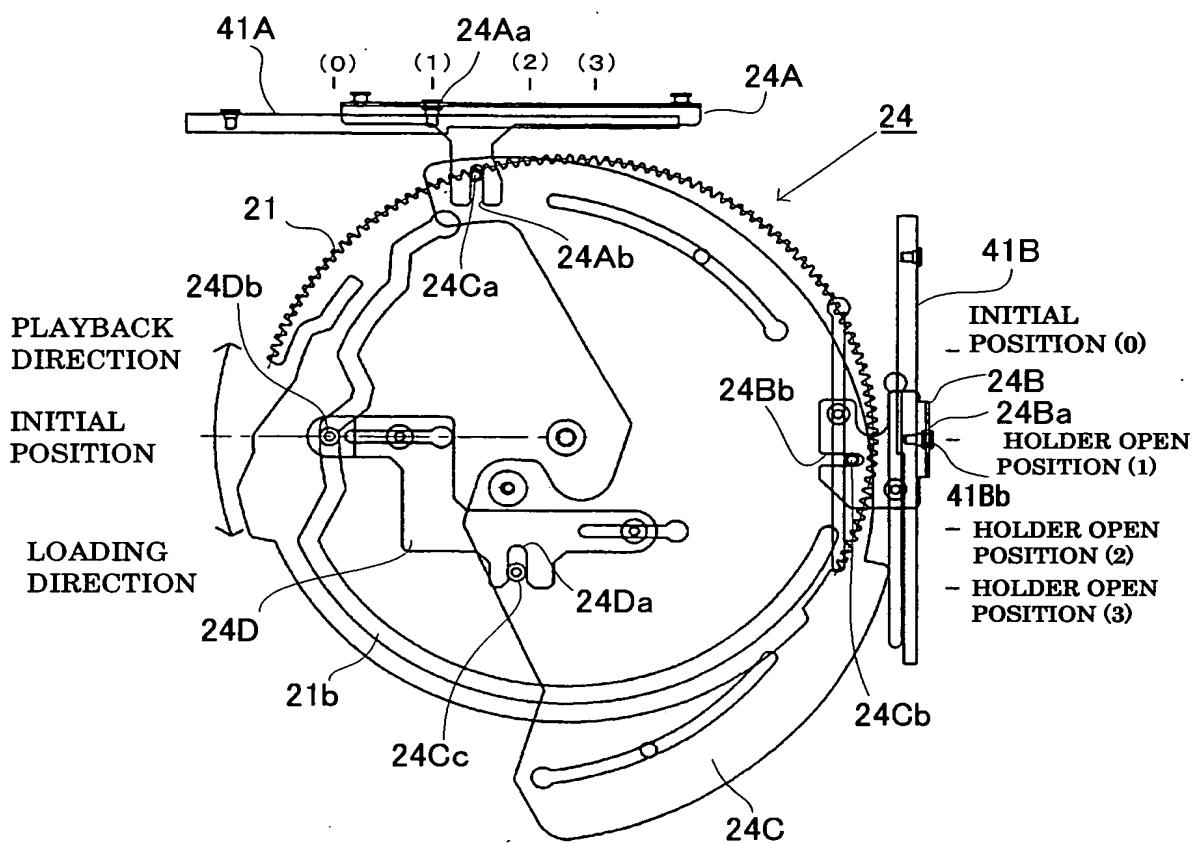


FIG.27

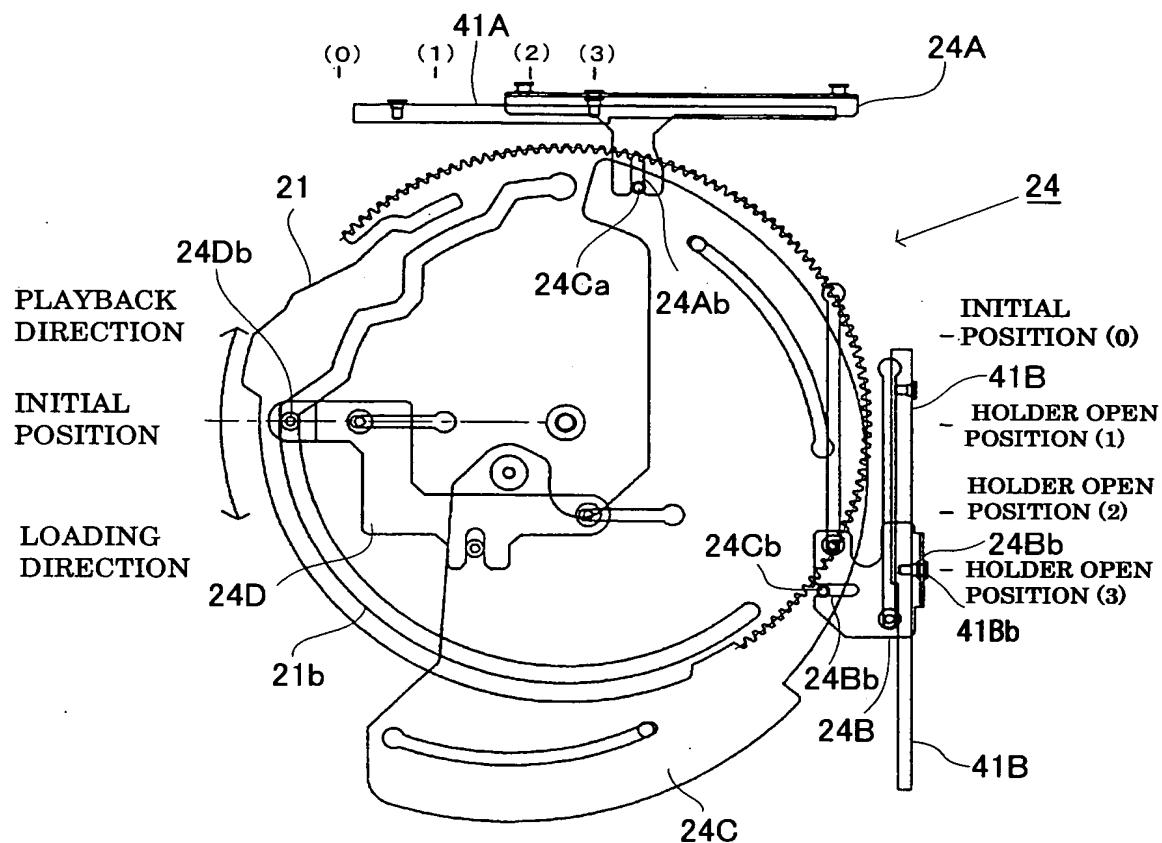


FIG.28

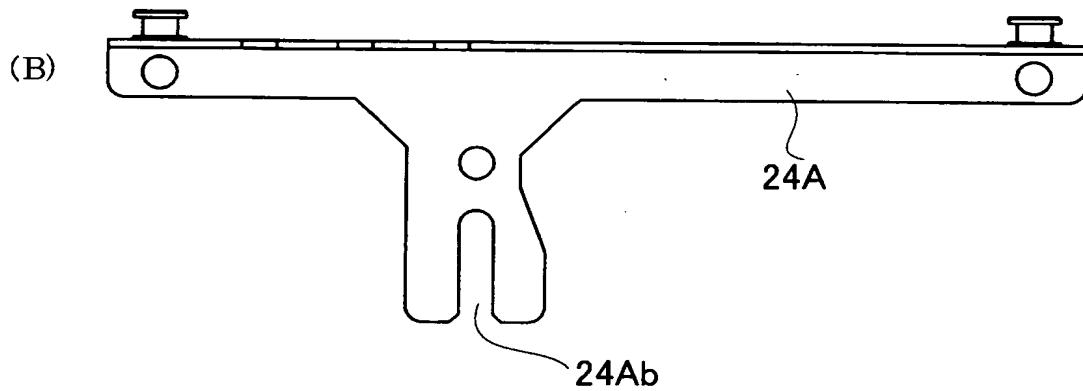
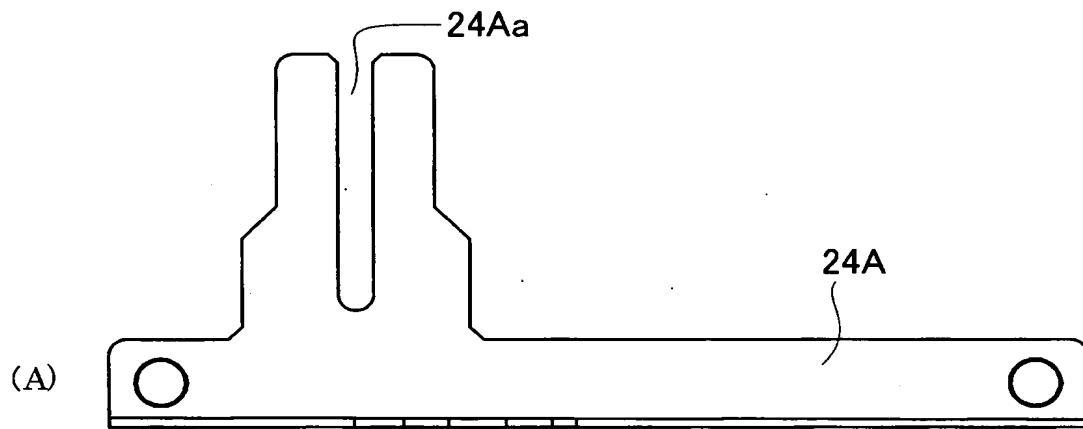


FIG.29

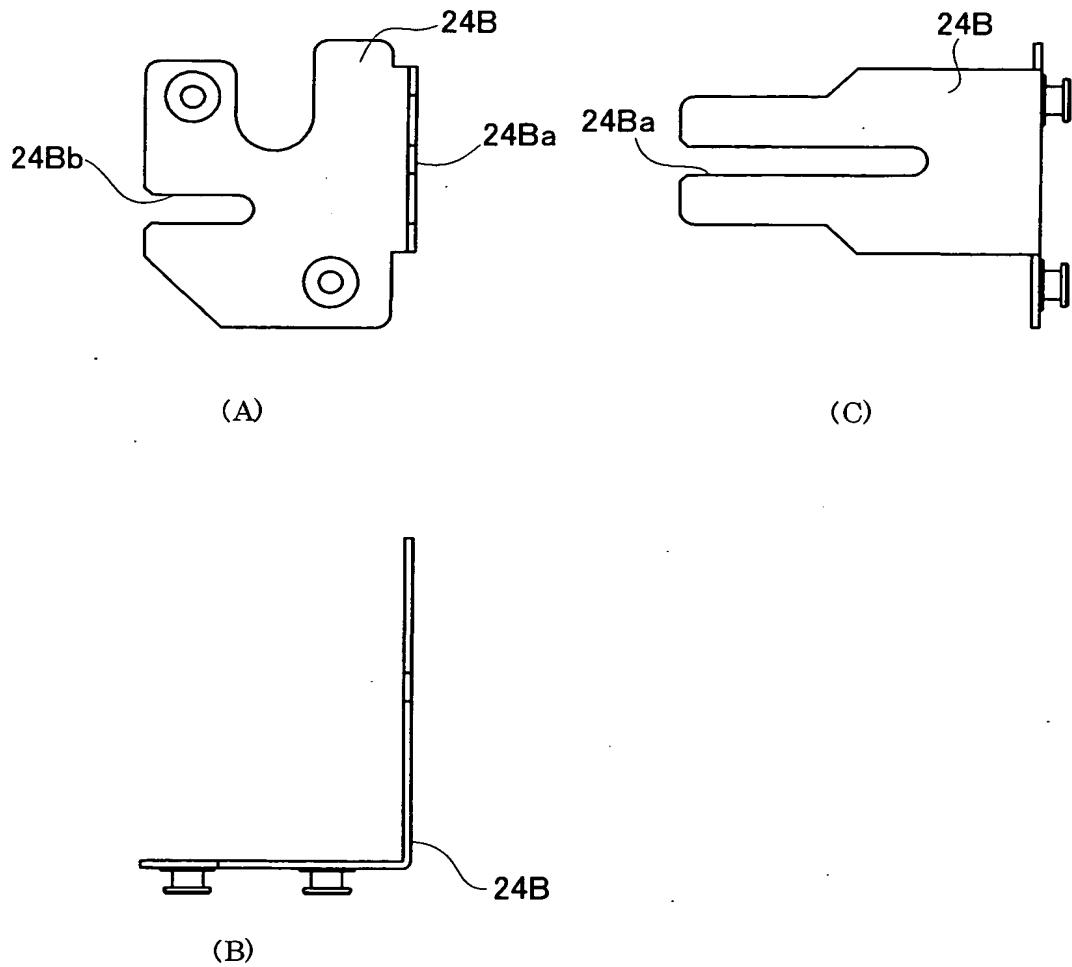


FIG. 30

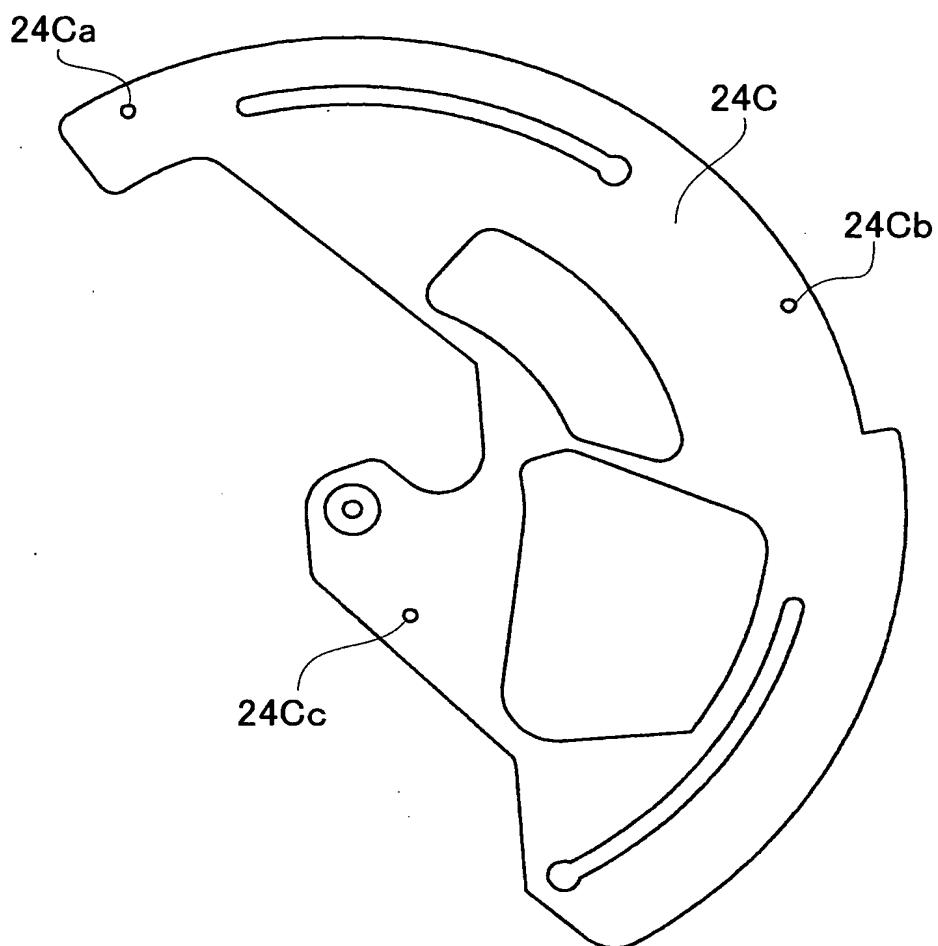


FIG.31

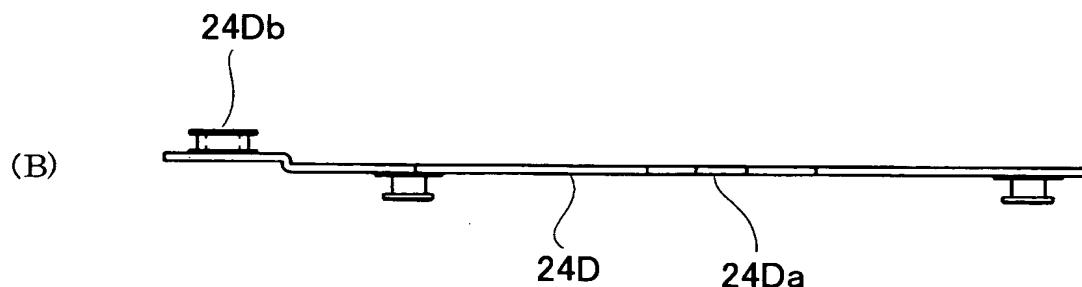
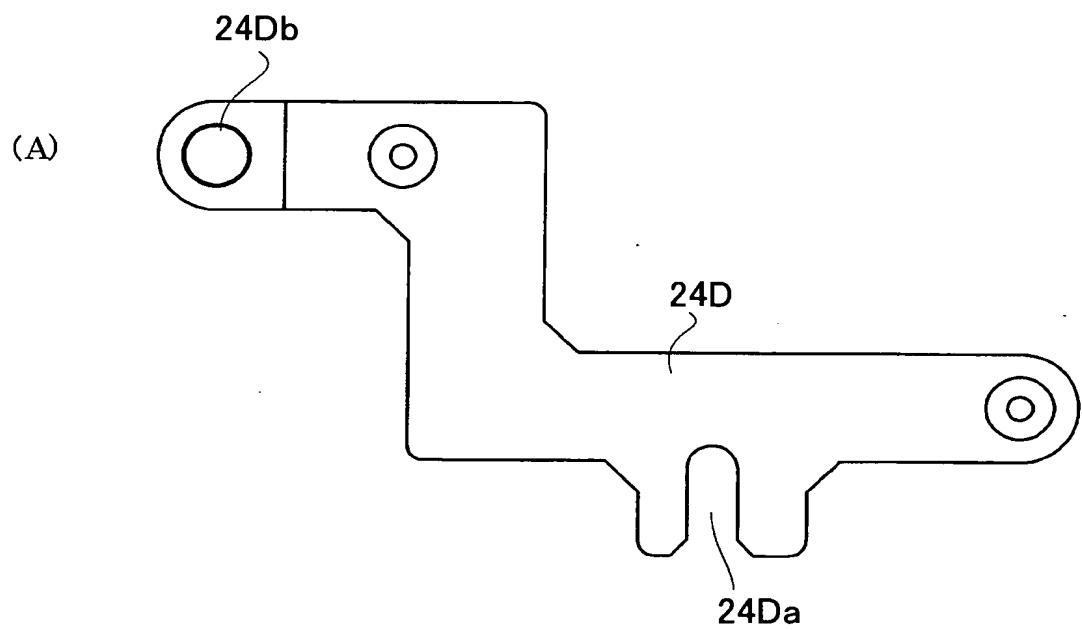


FIG.32

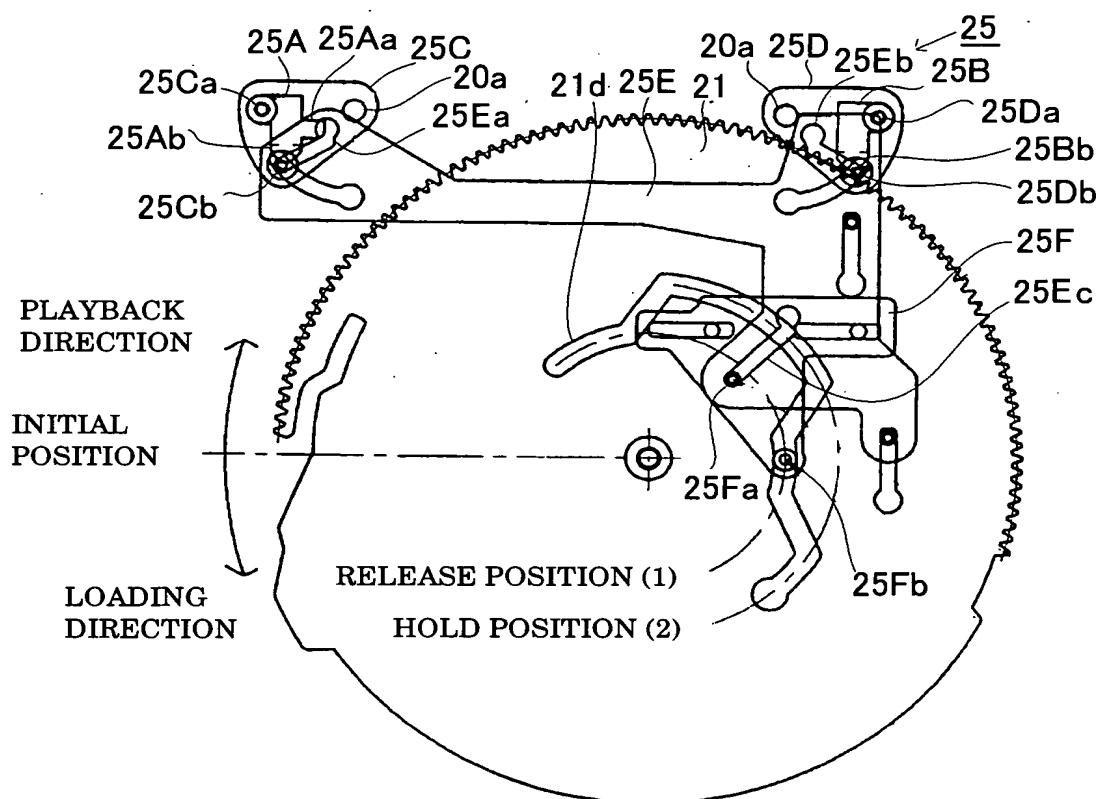


FIG. 33

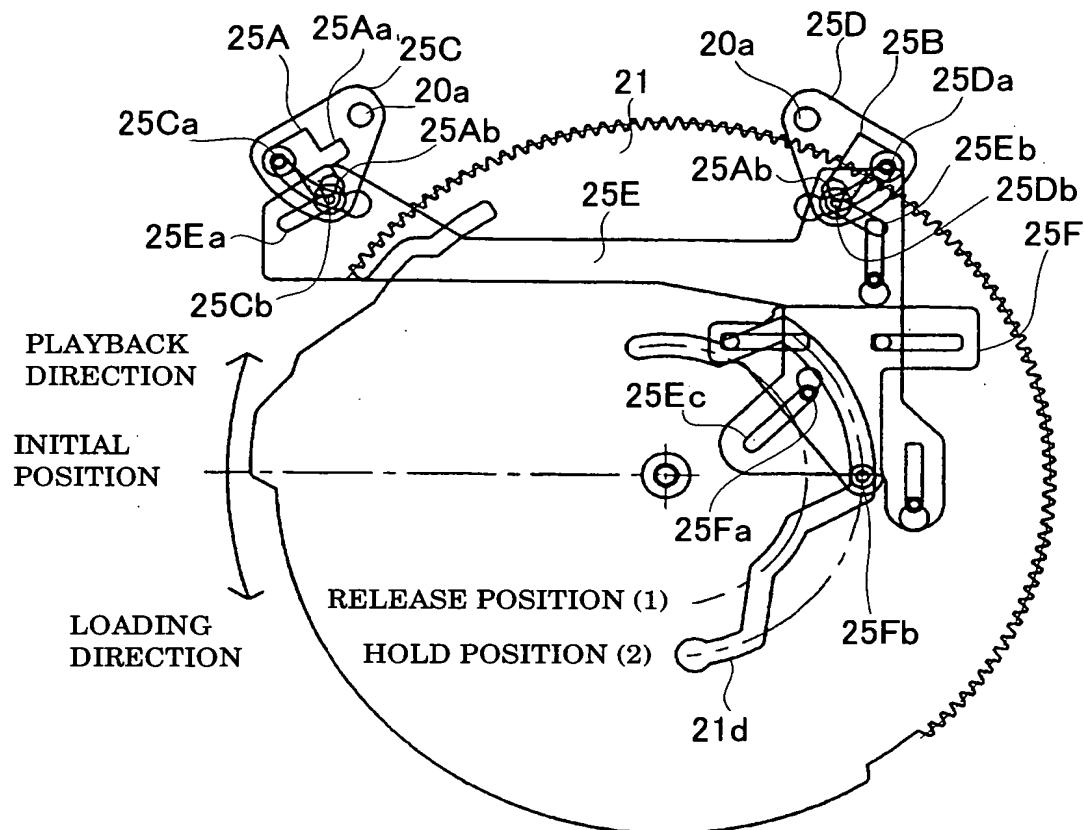


FIG.34

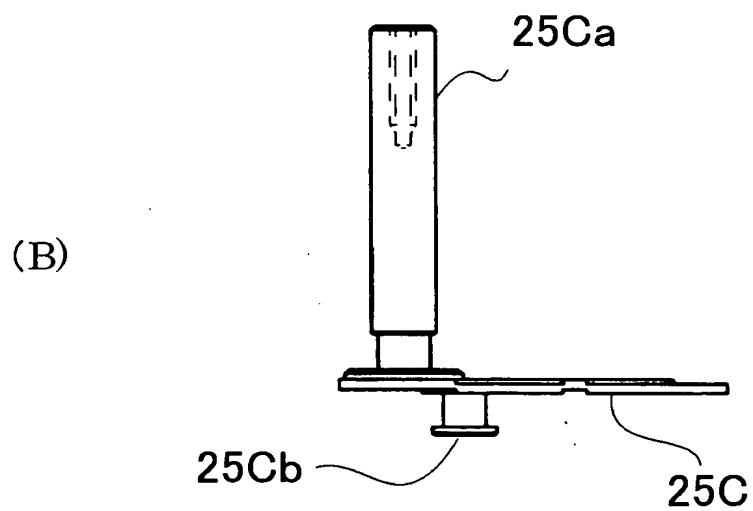
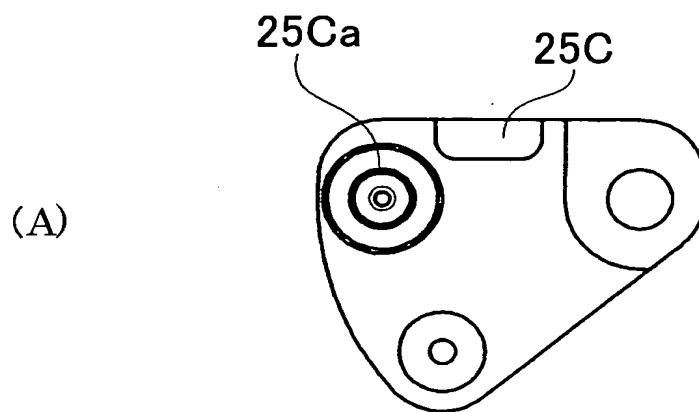


FIG. 35

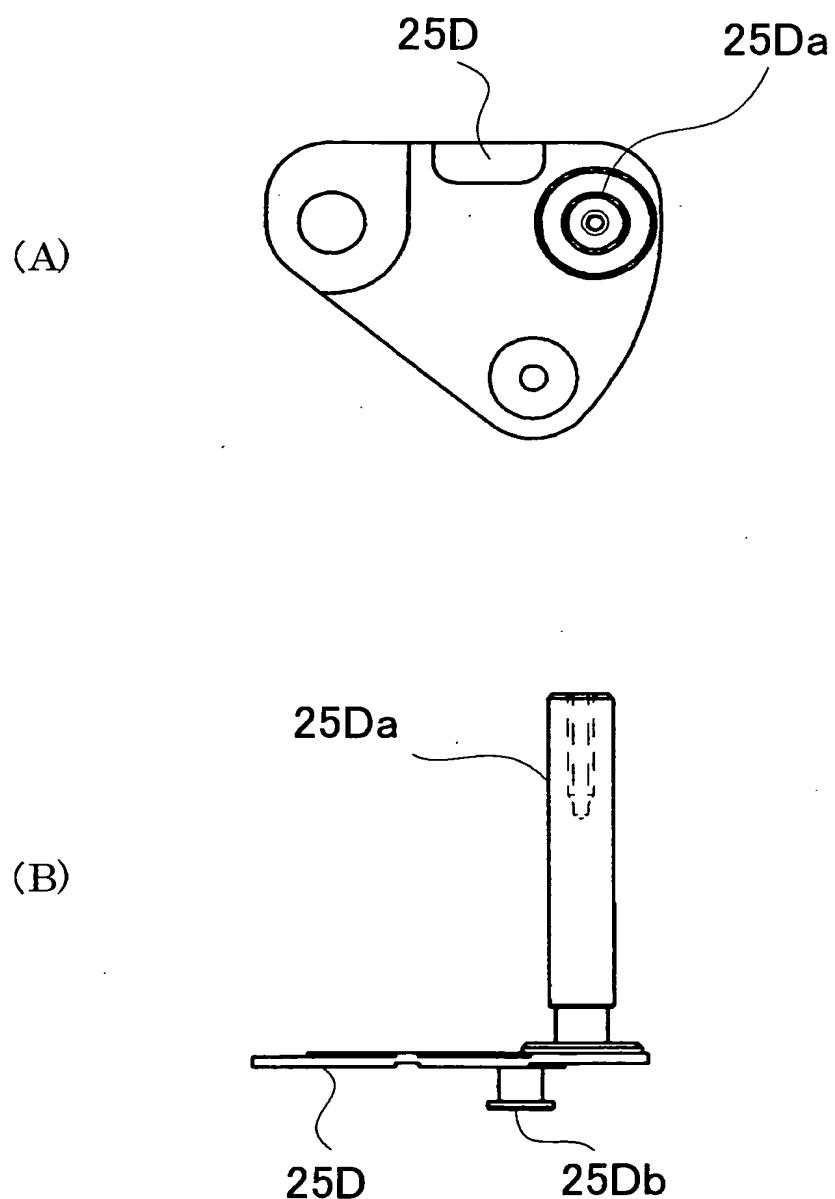


FIG. 36

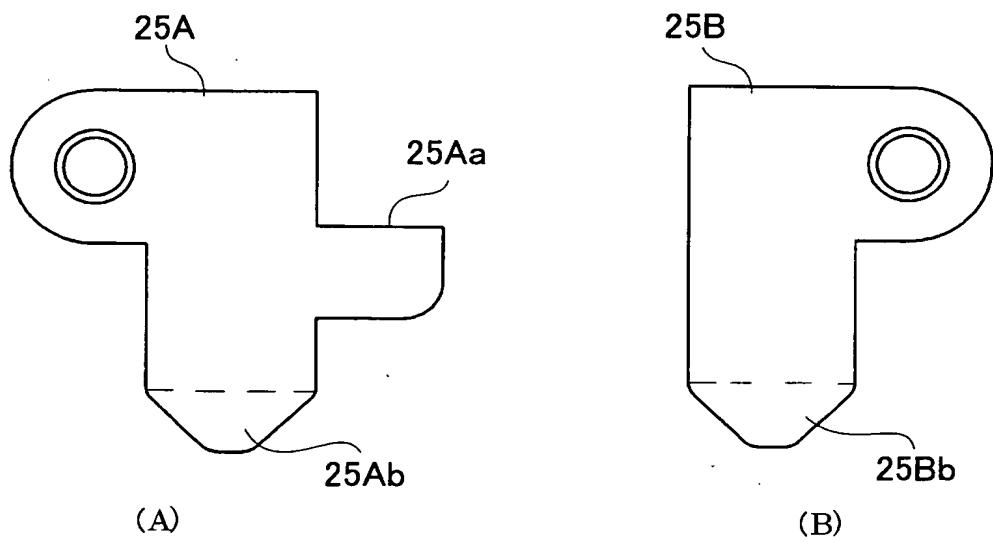


FIG.37

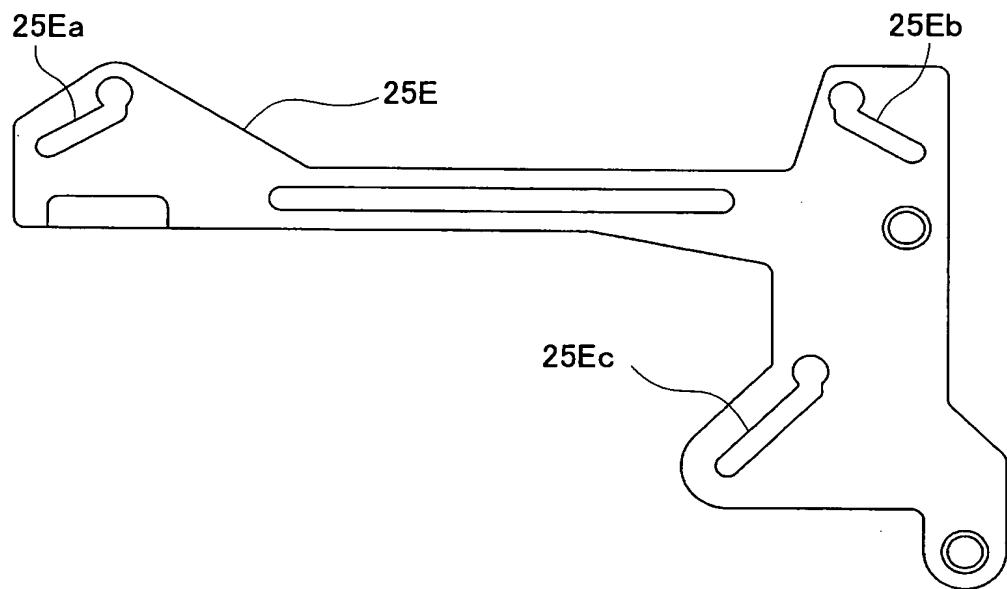


FIG. 38

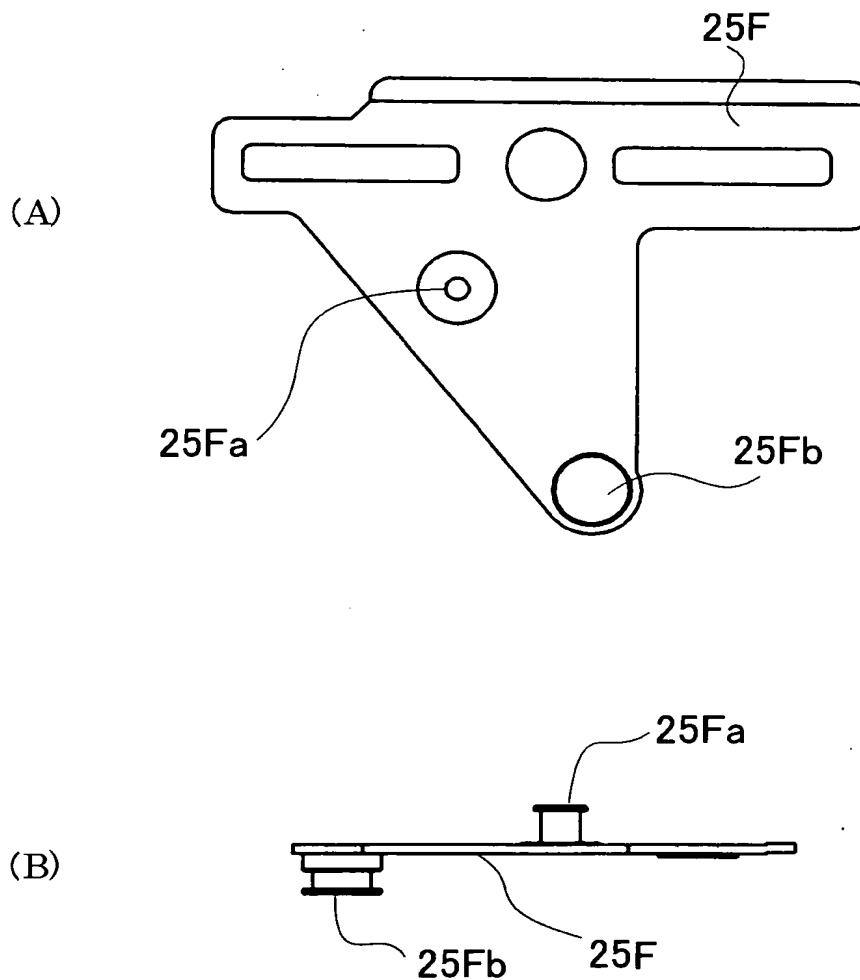


FIG. 39

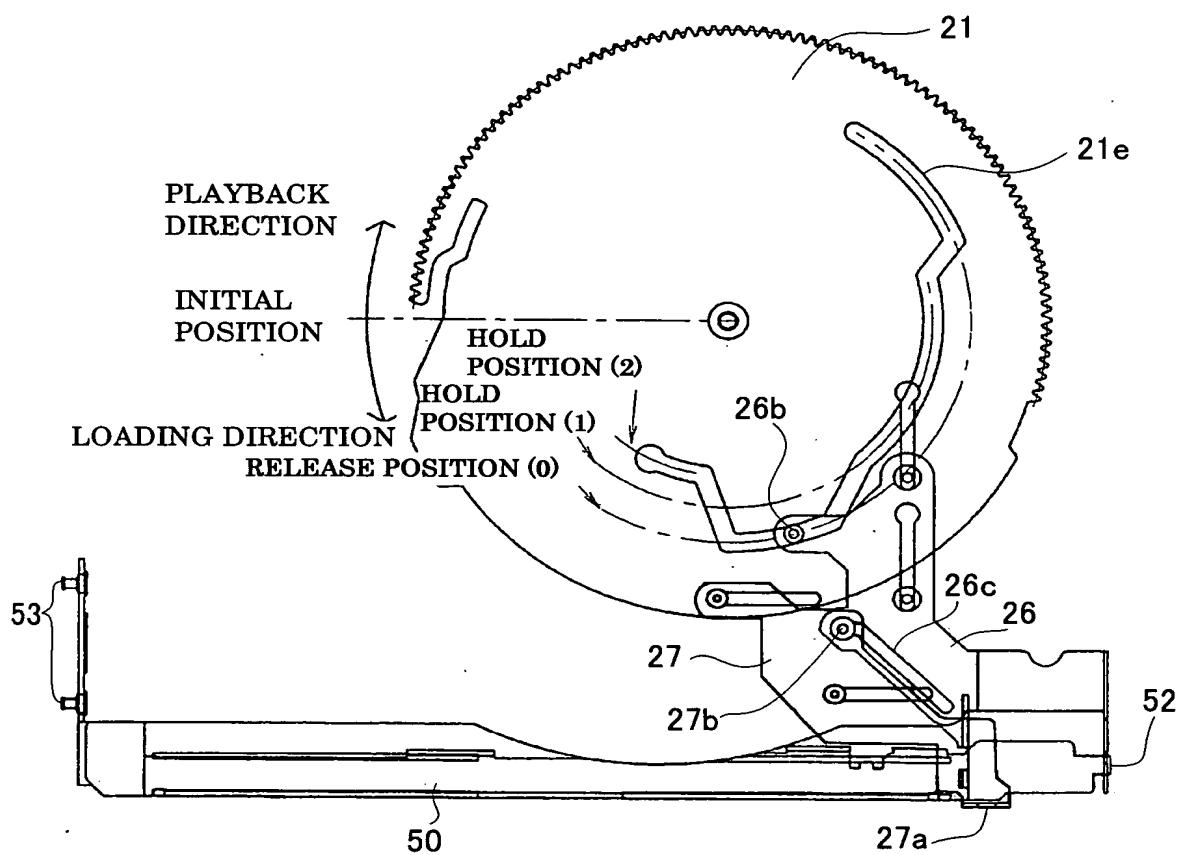


FIG. 40

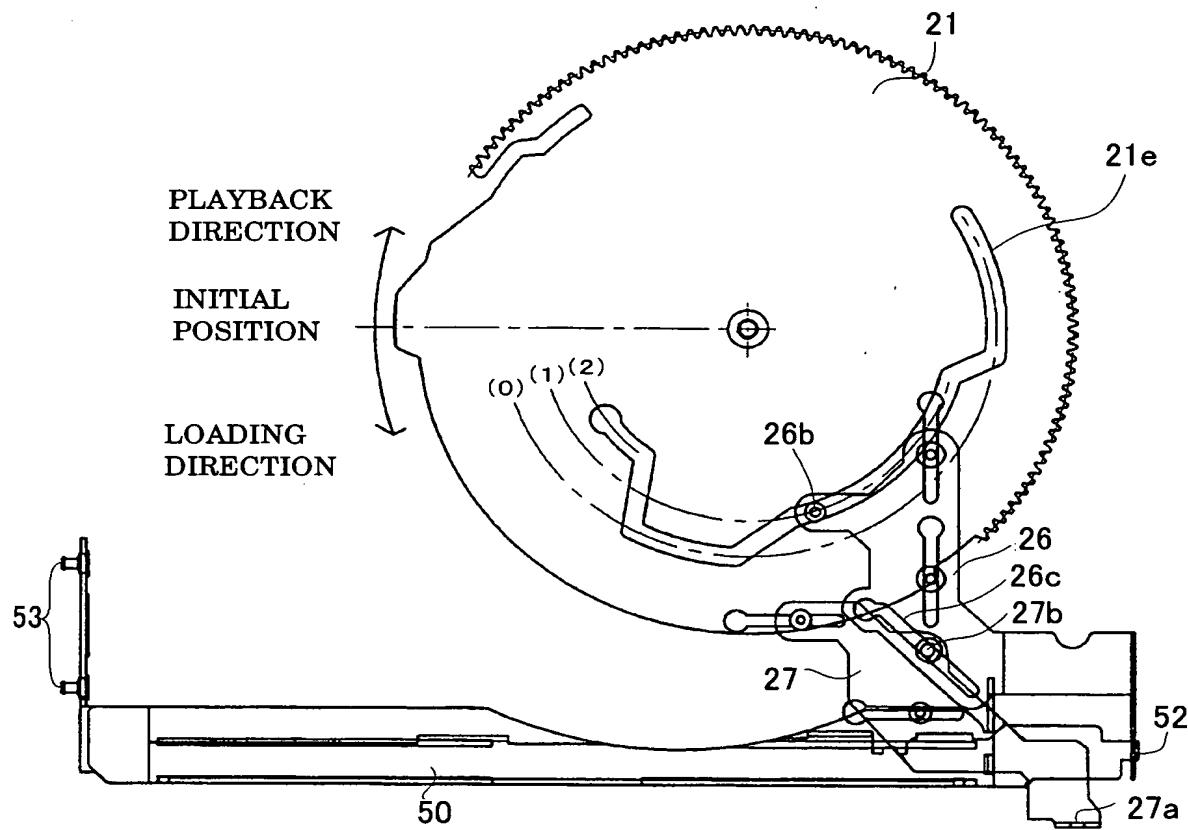


FIG. 41

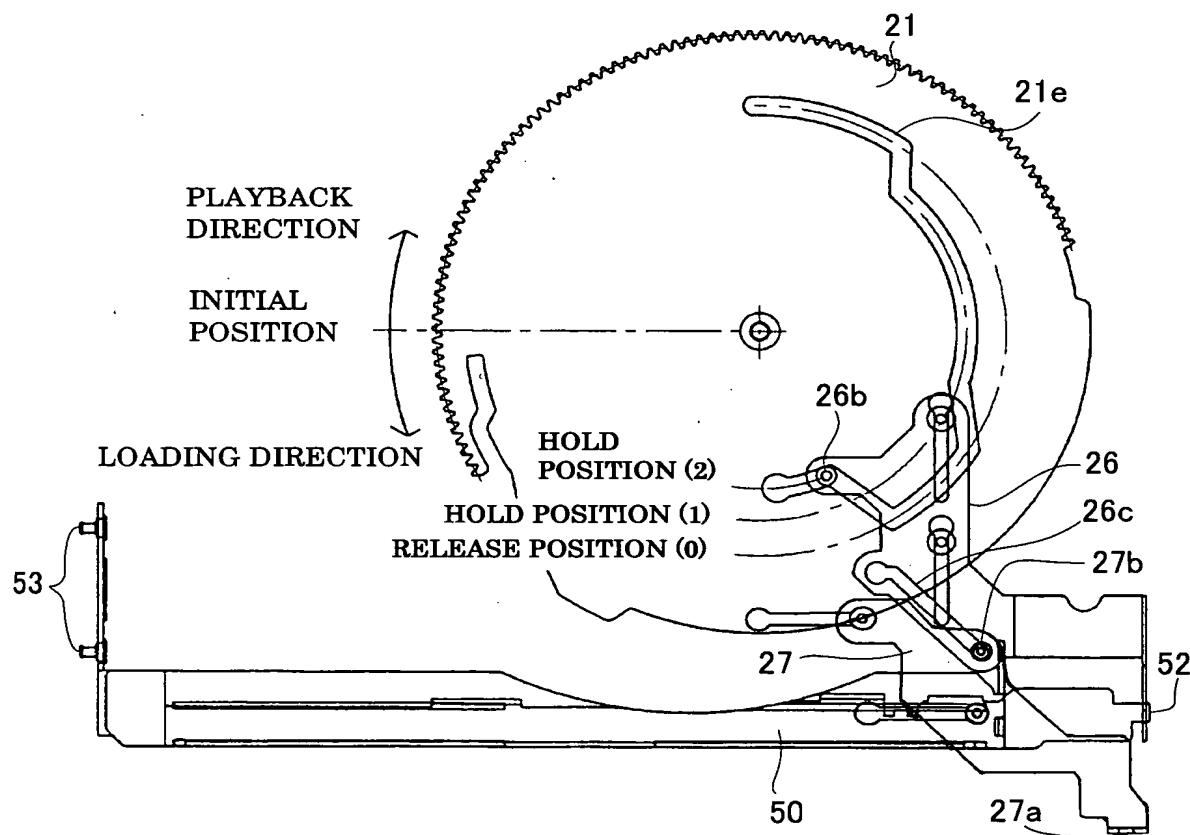


FIG.42

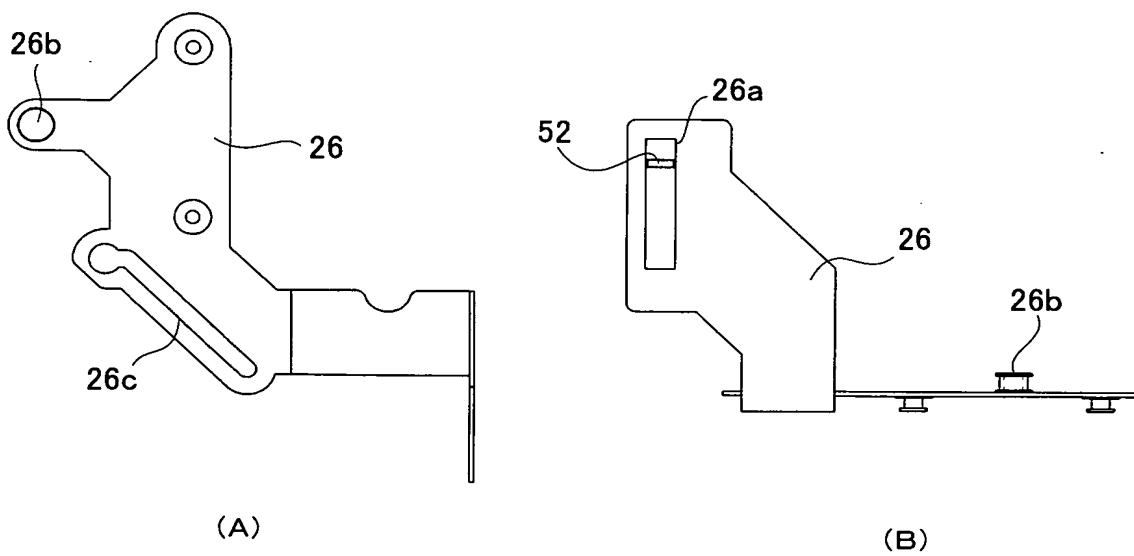


FIG. 43

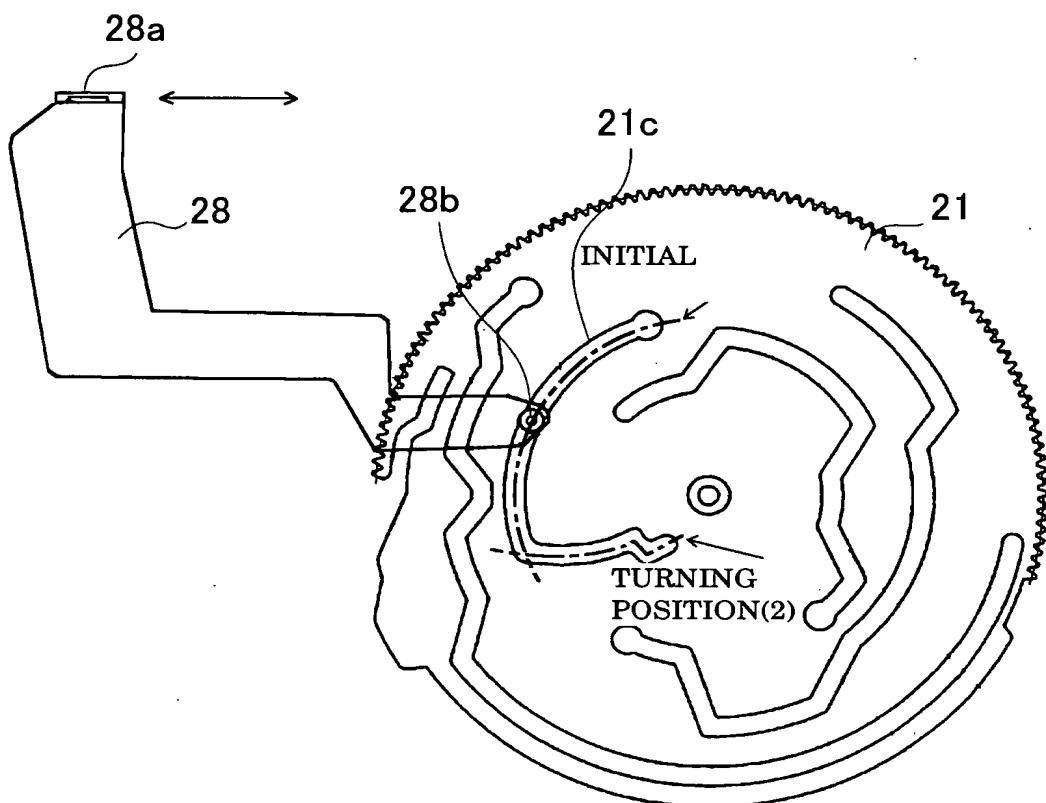


FIG. 44

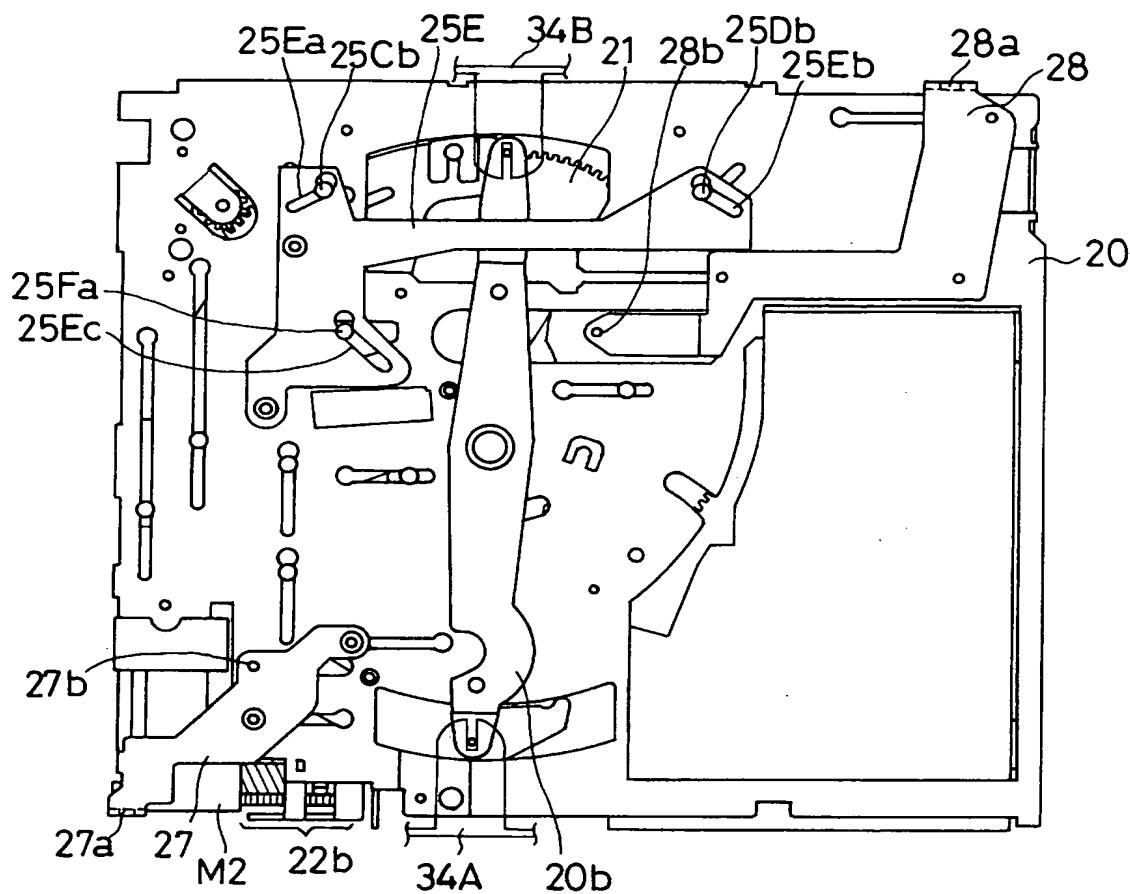


FIG. 45

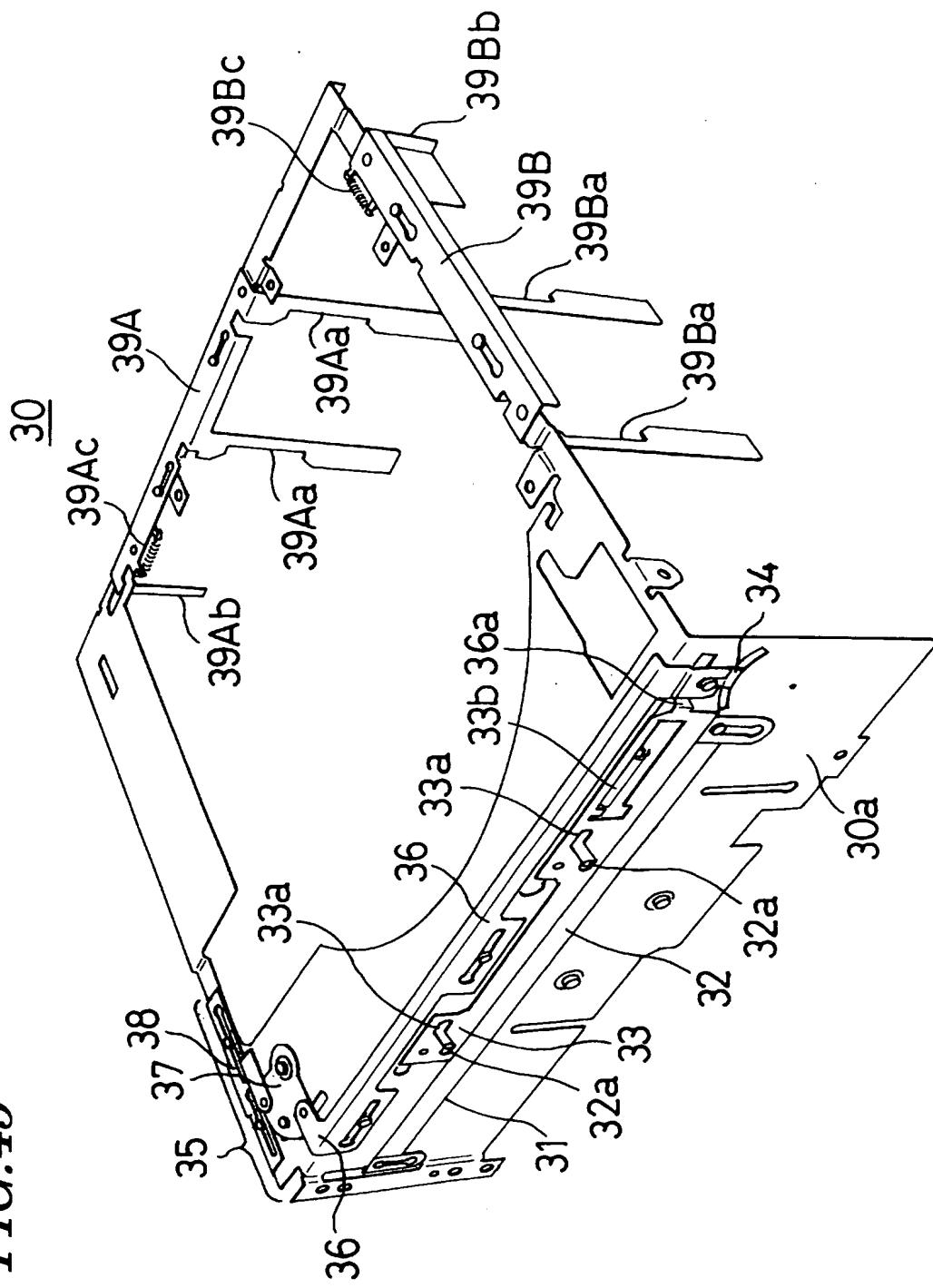


FIG.46

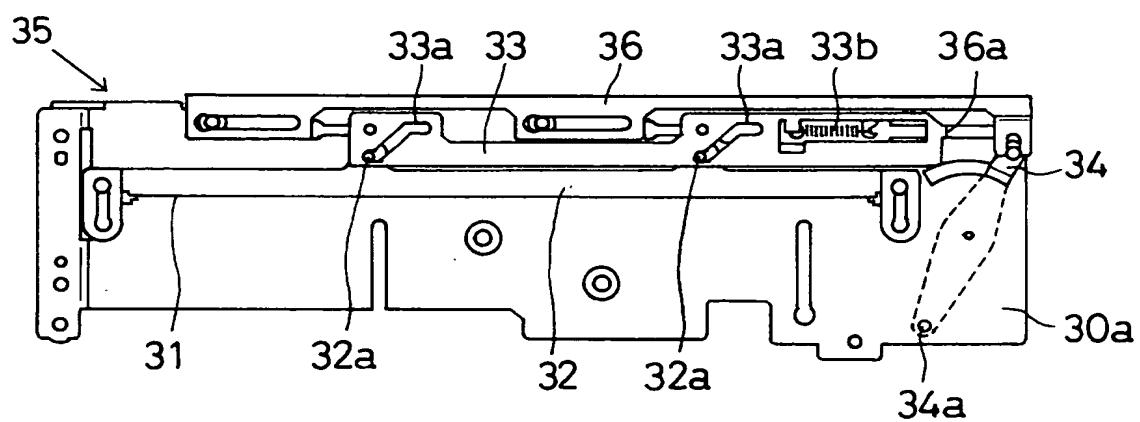


FIG.47

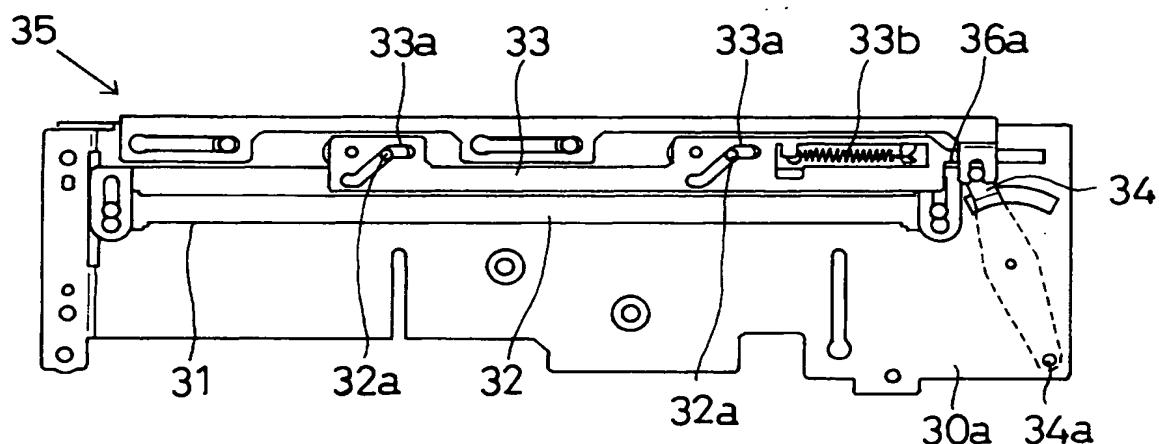


FIG. 48

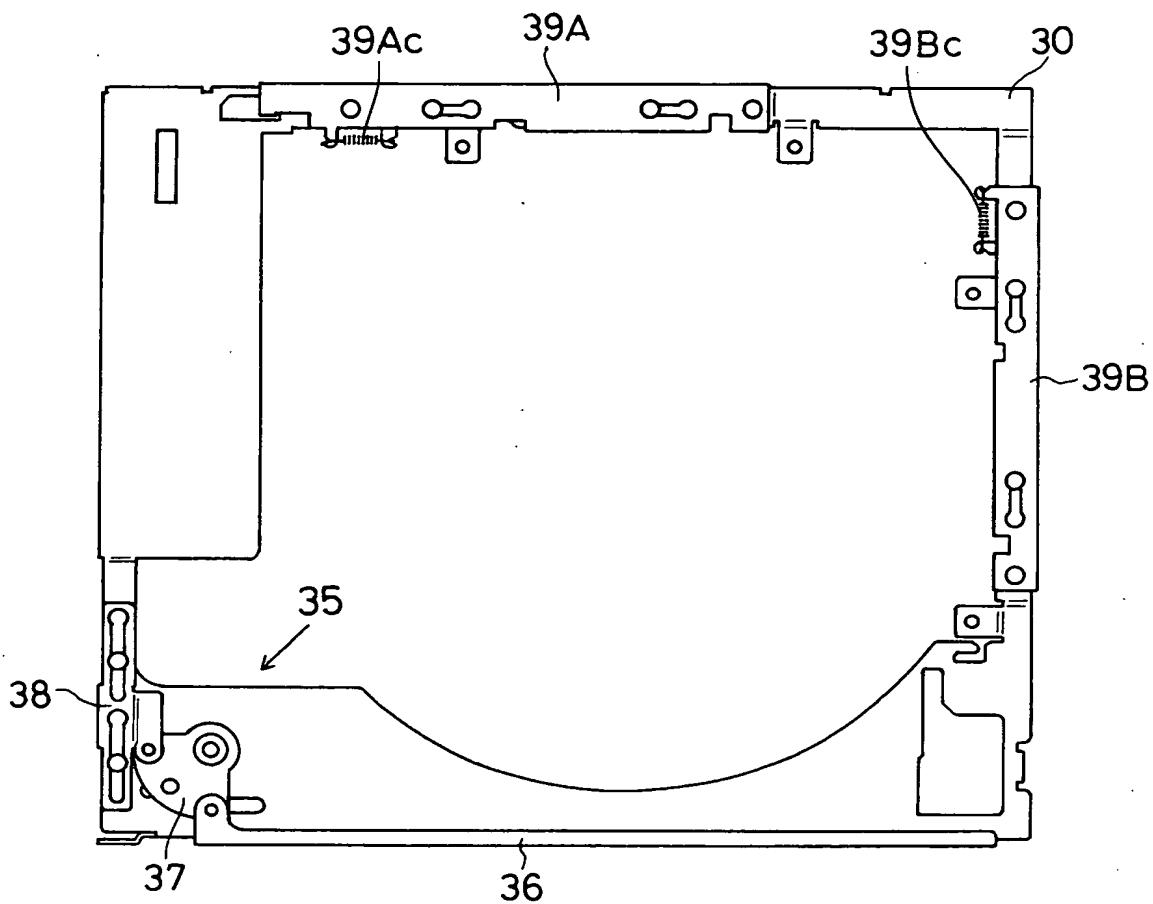


FIG.49

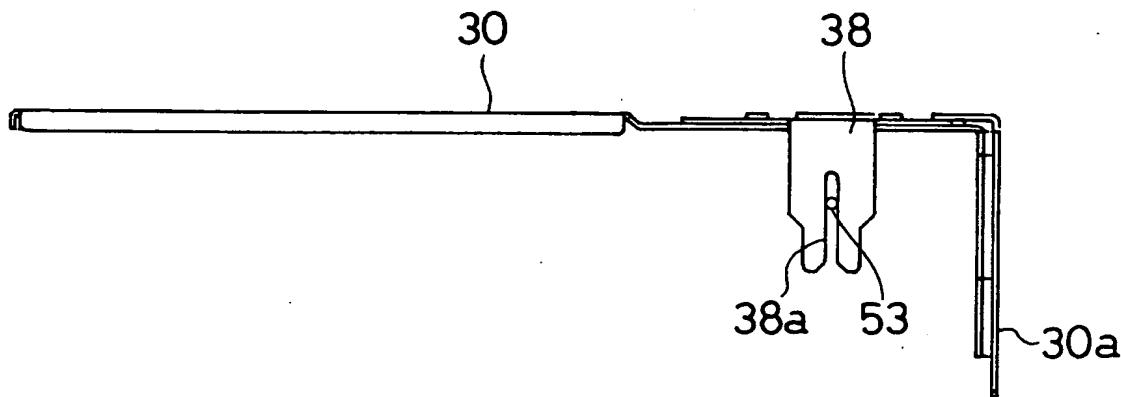


FIG.50

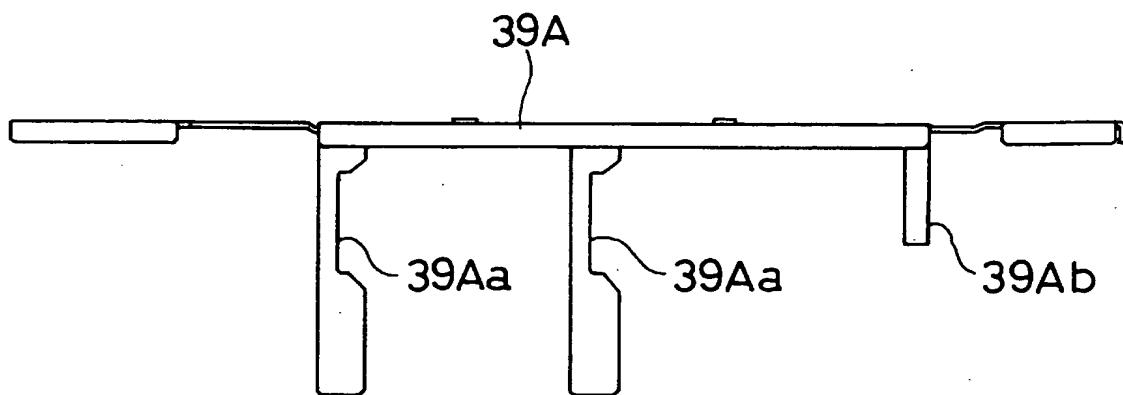
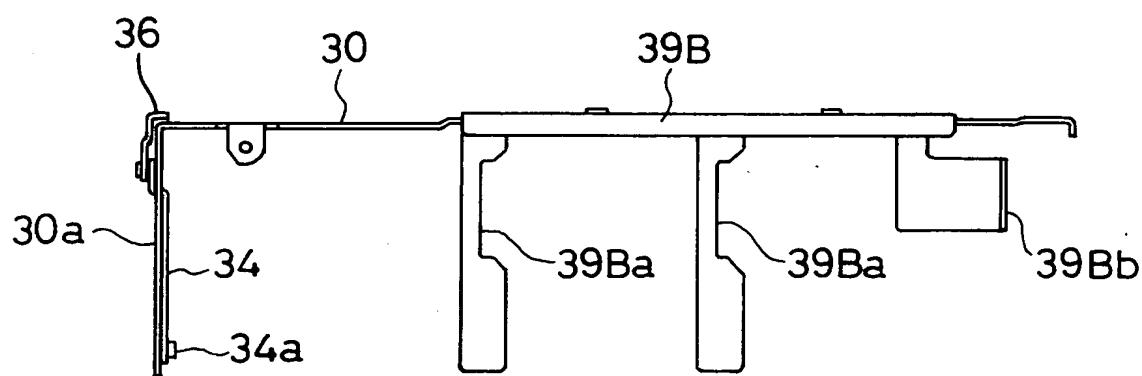


FIG.51



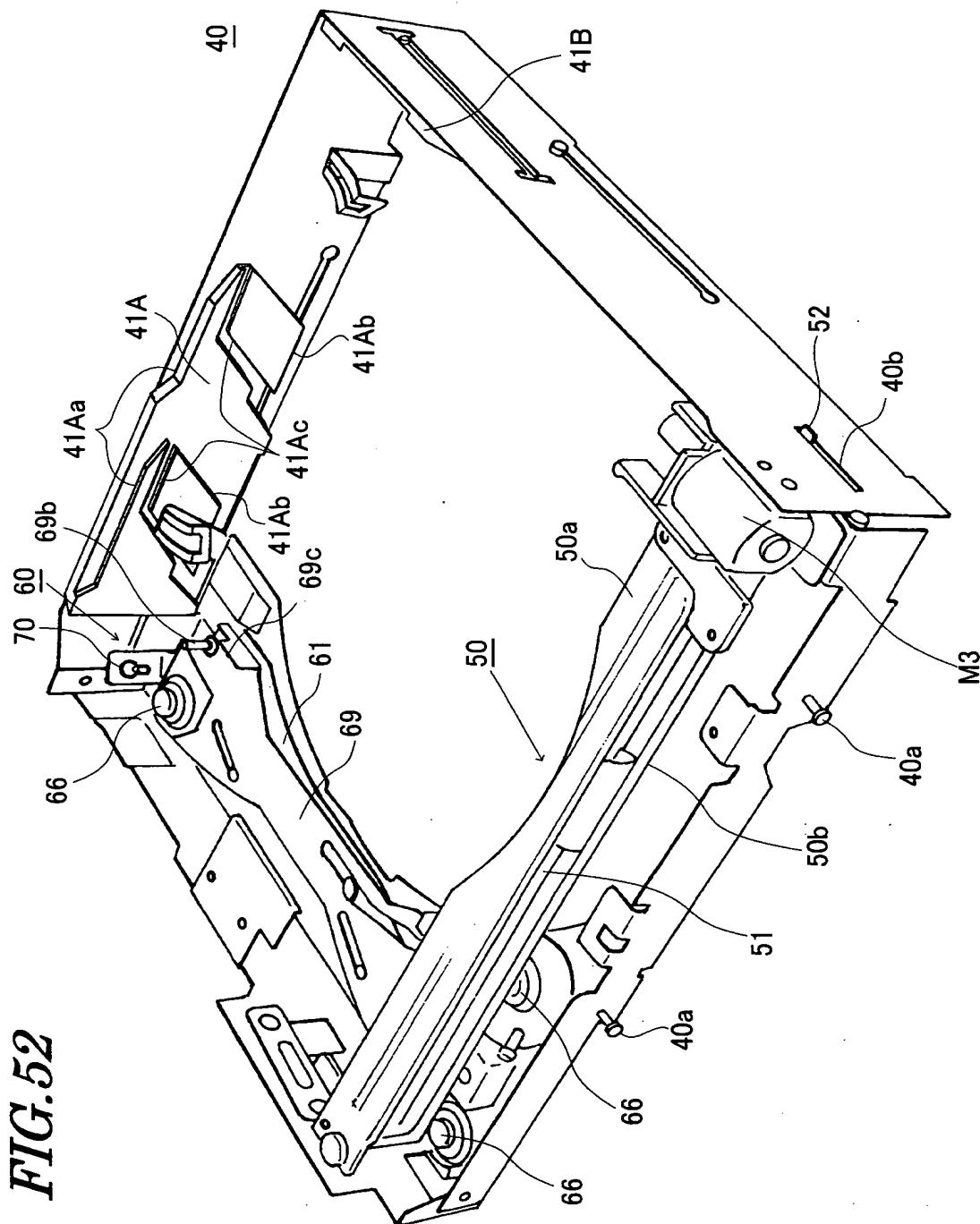
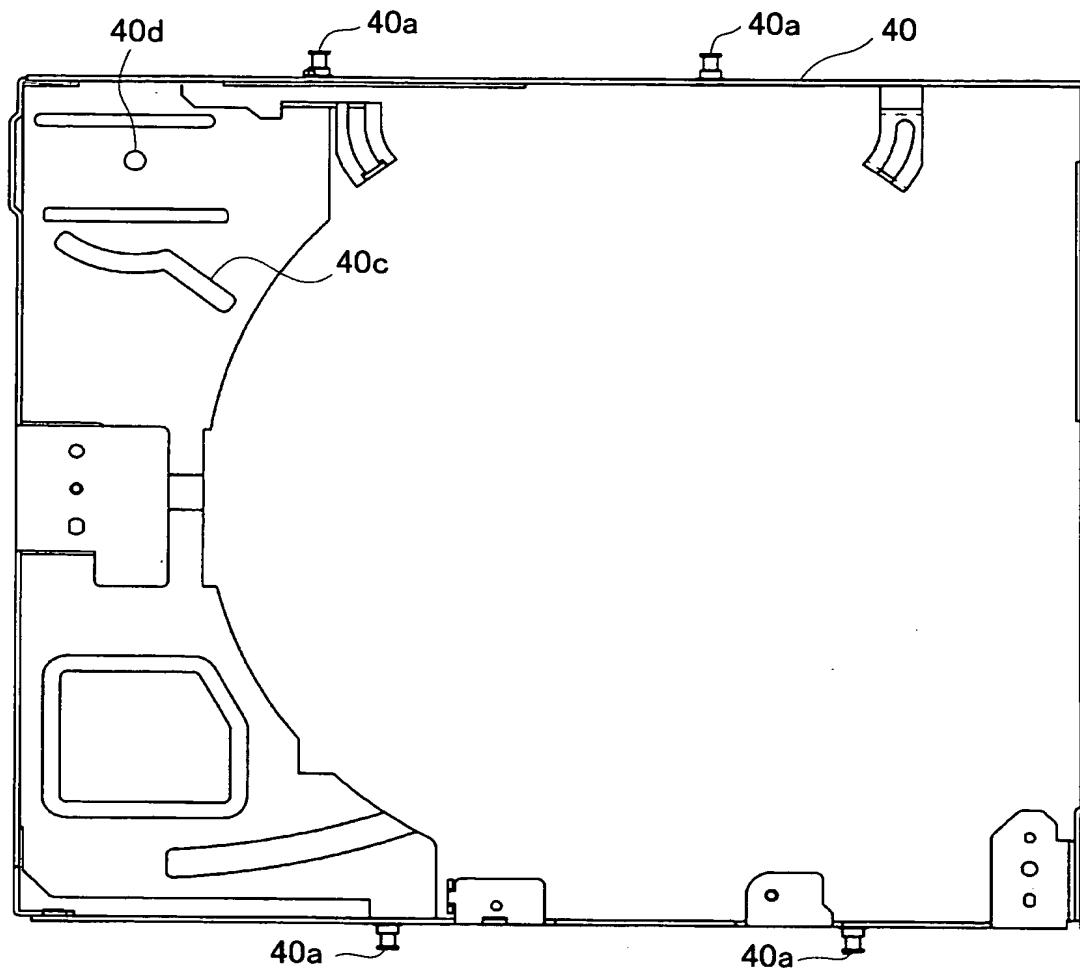


FIG. 53



10/551684

FIG.54

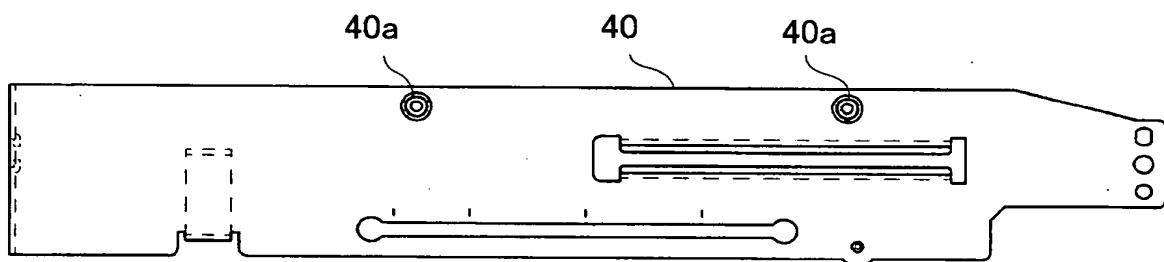


FIG.55

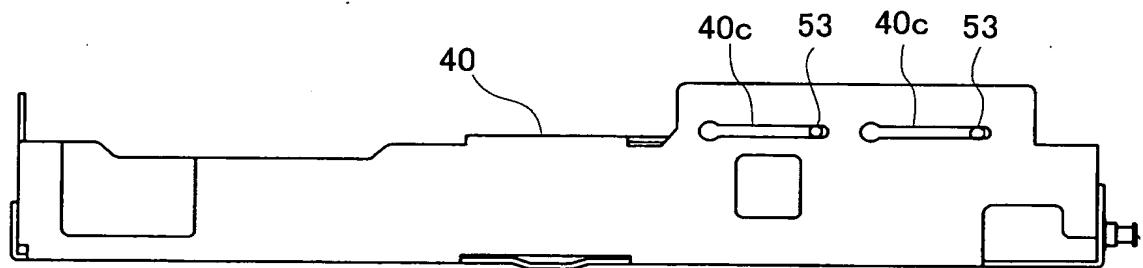


FIG. 56

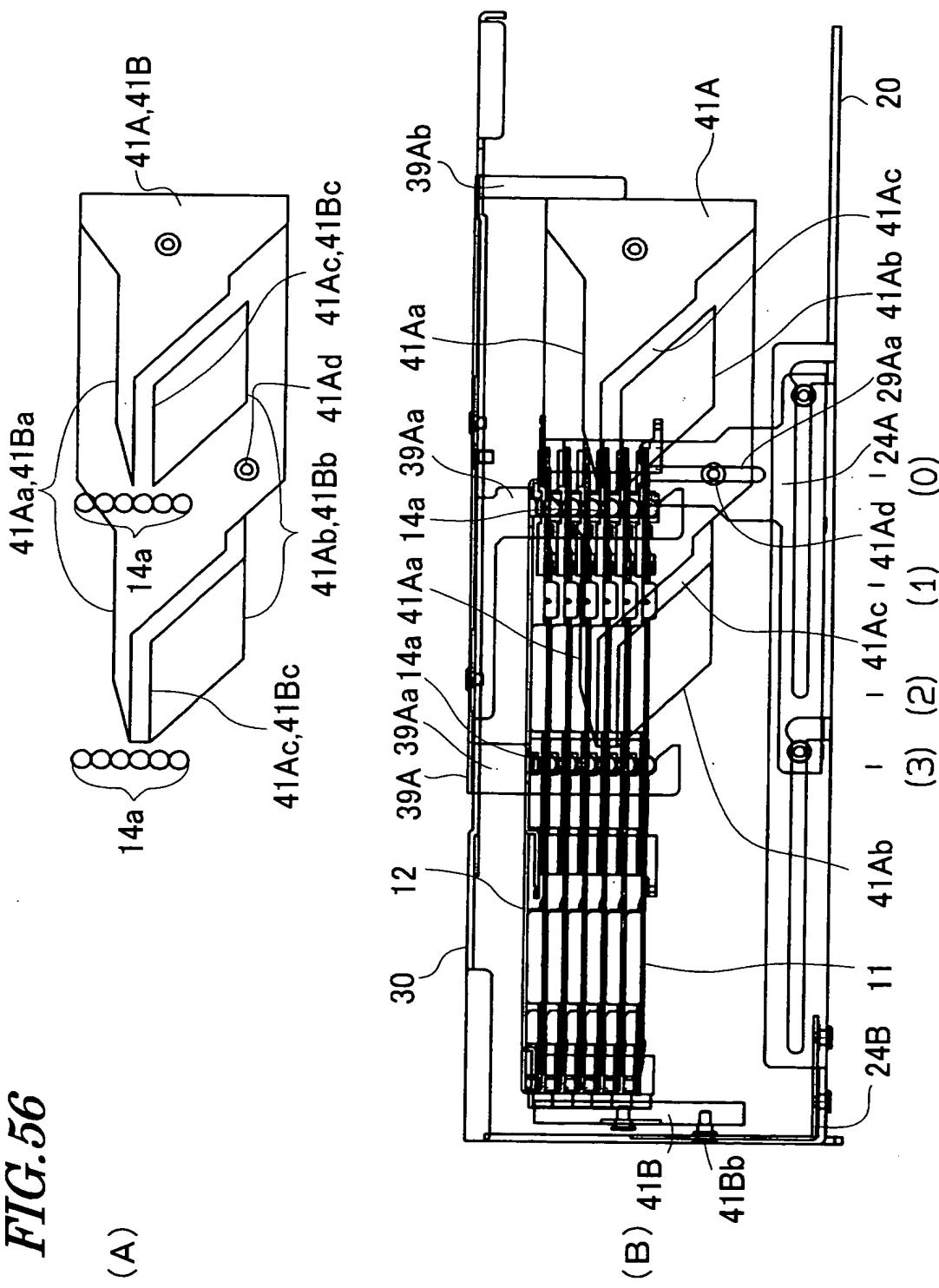


FIG. 57

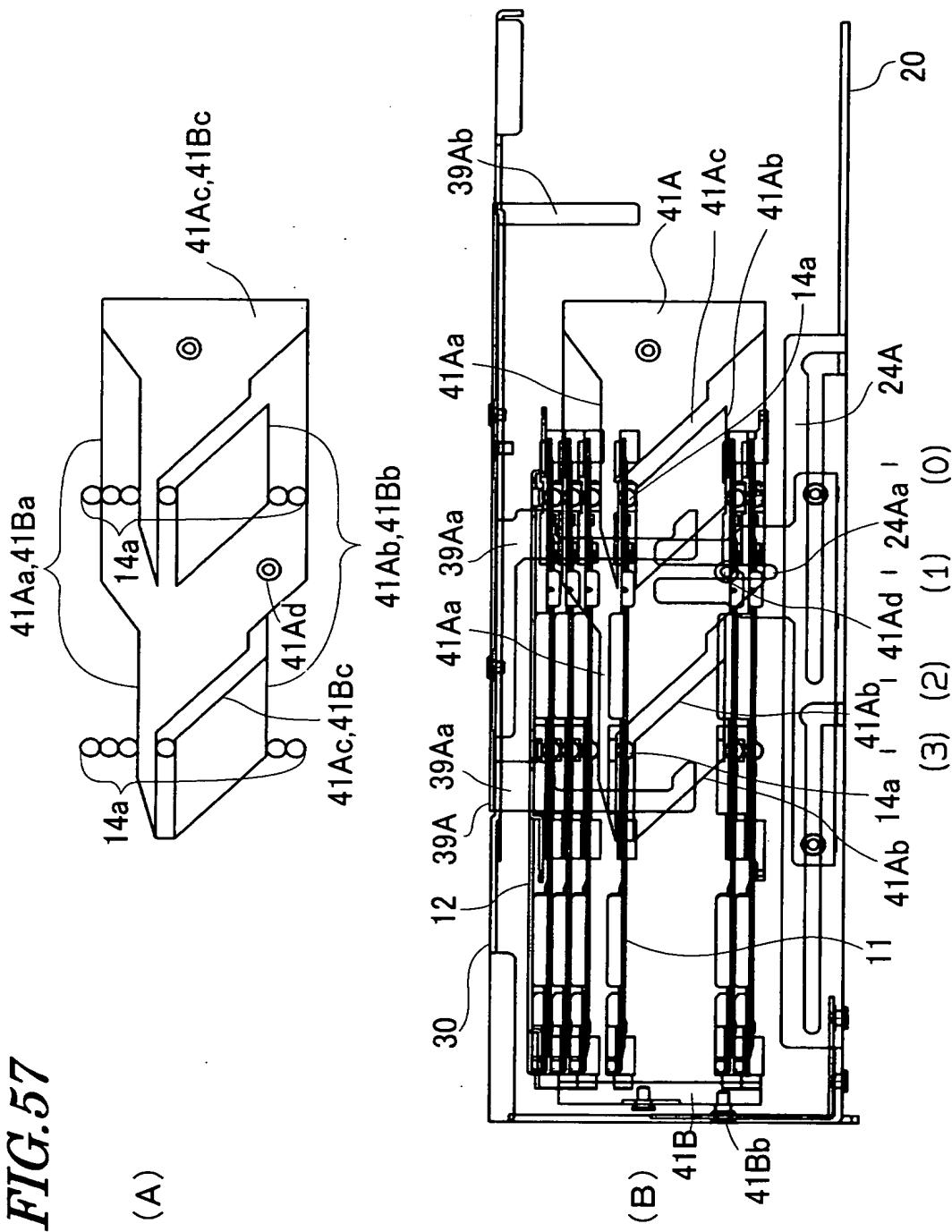


FIG. 58

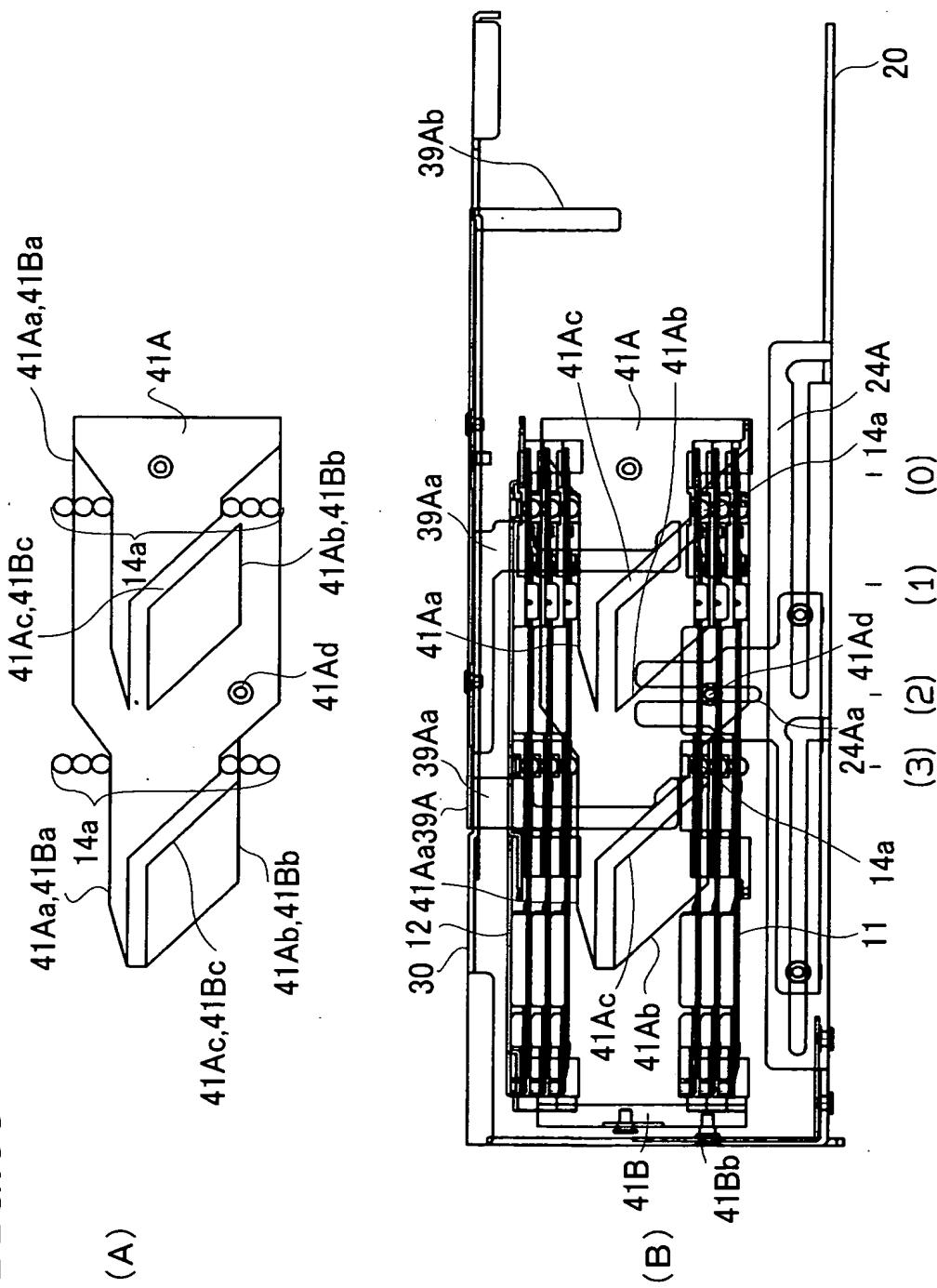


FIG. 59

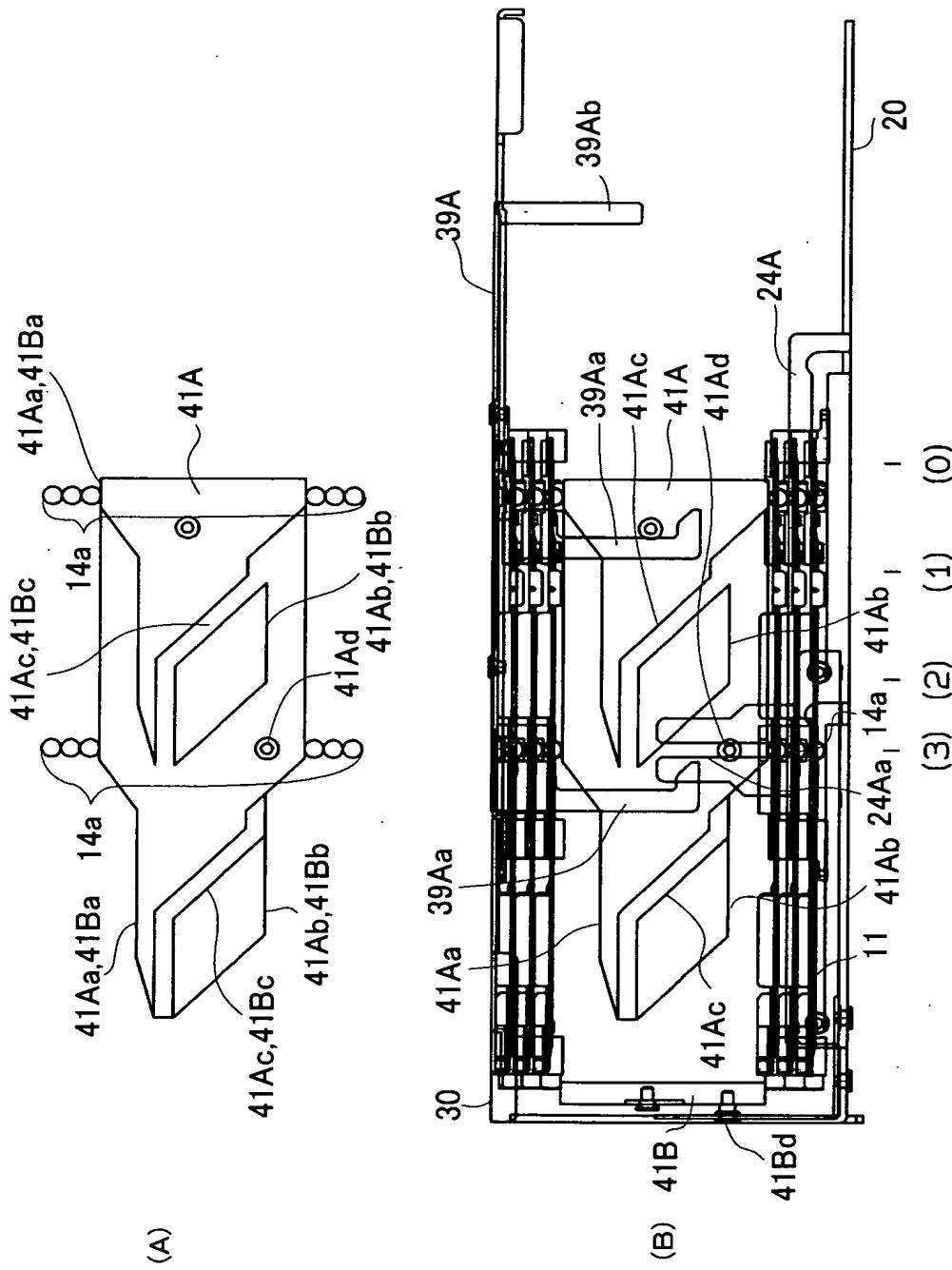
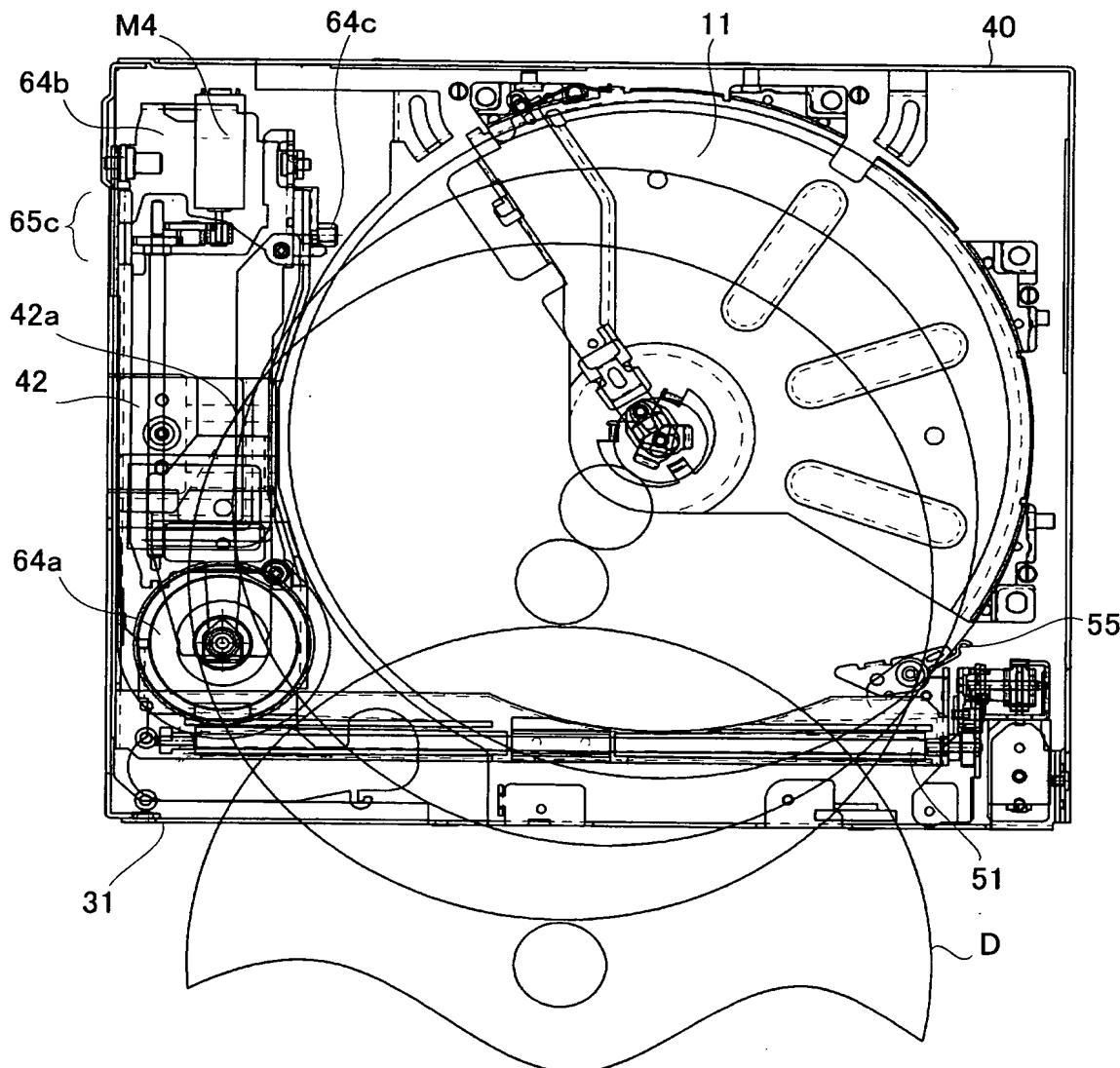


FIG. 60



10/551 684

Keiji Tokita et al.
Sheet 61 of 106
42598-3600
J.W. Price, 714/427-7420

FIG. 61

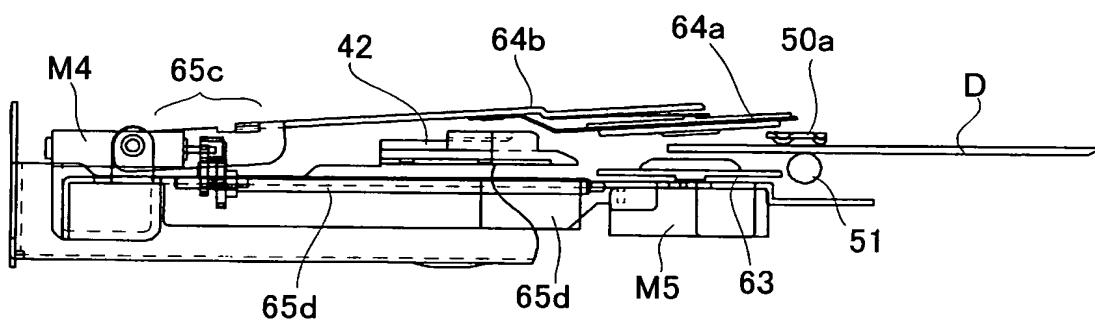


FIG. 62

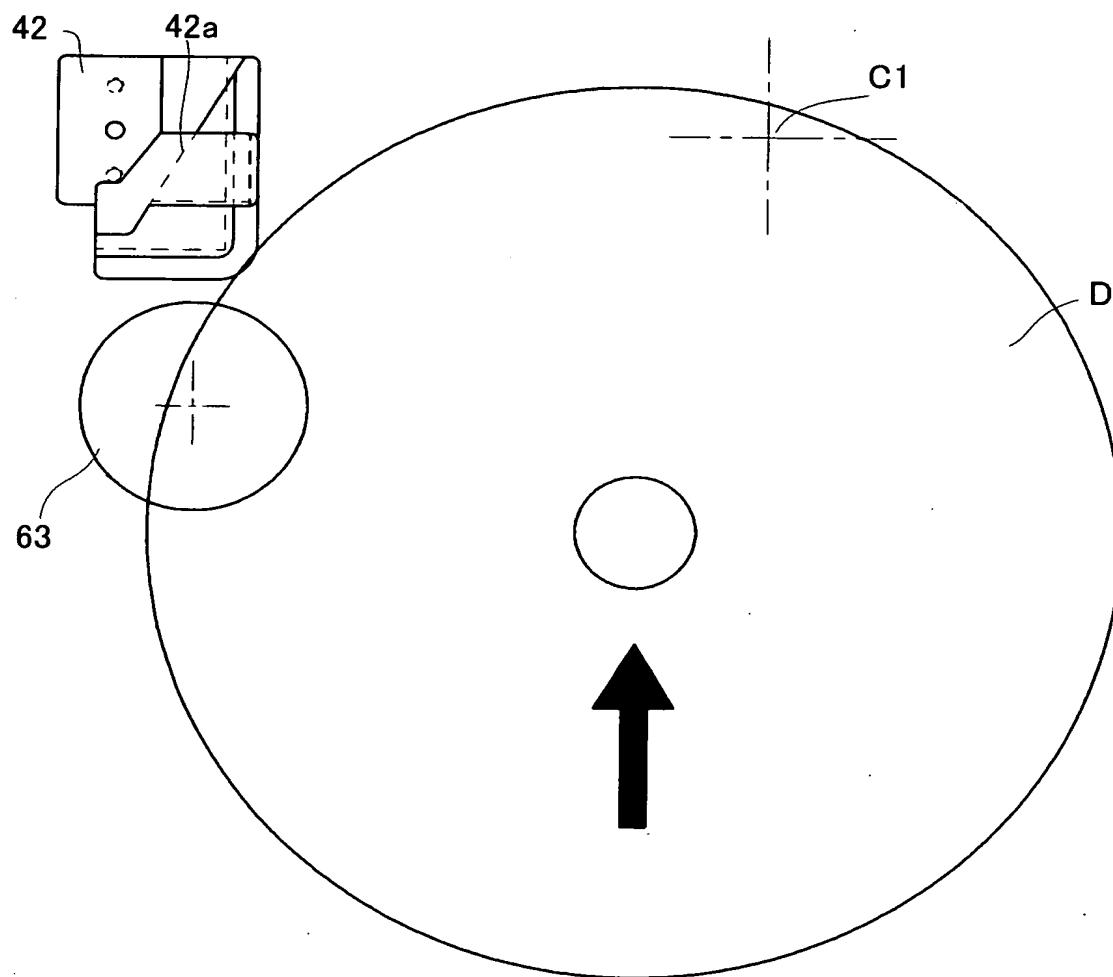


FIG. 63

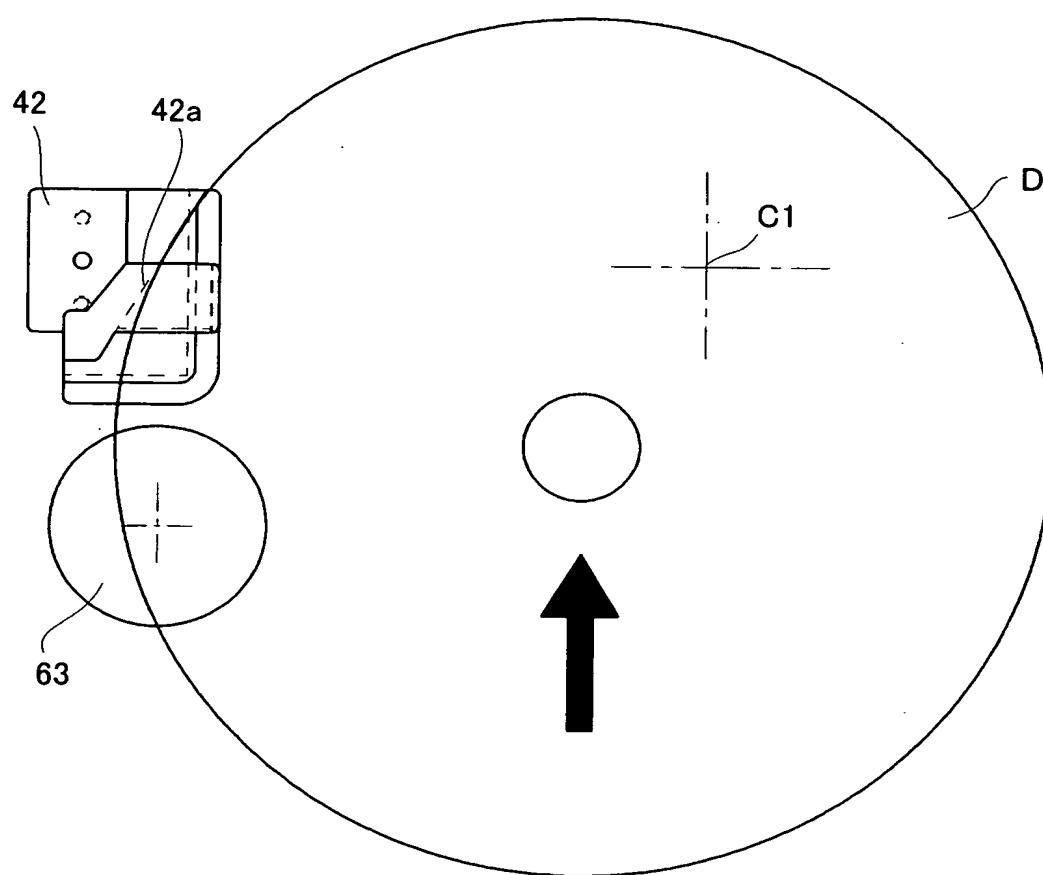


FIG. 64

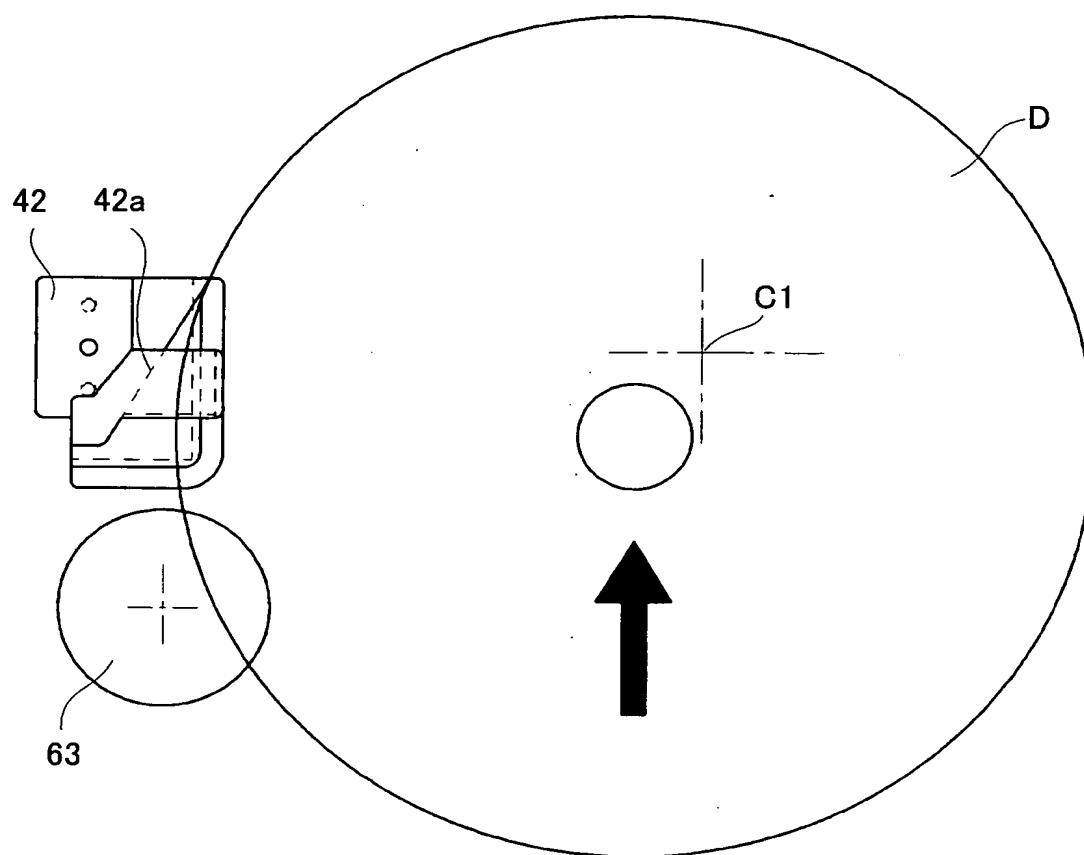


FIG. 65

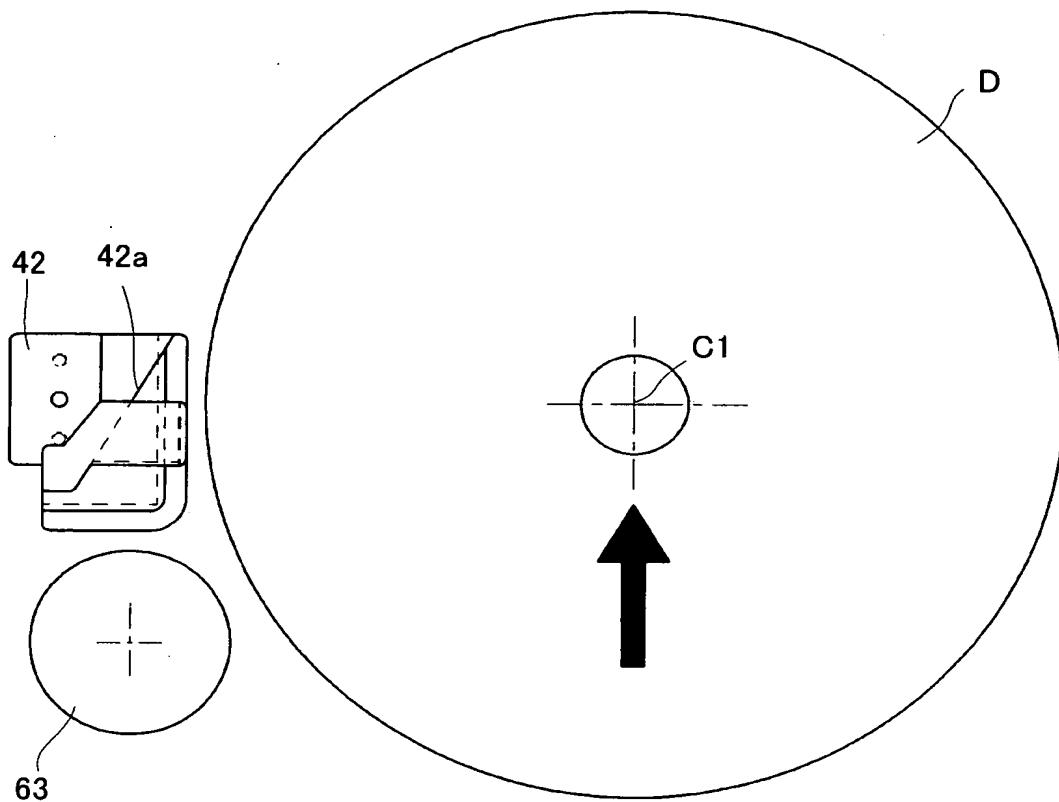
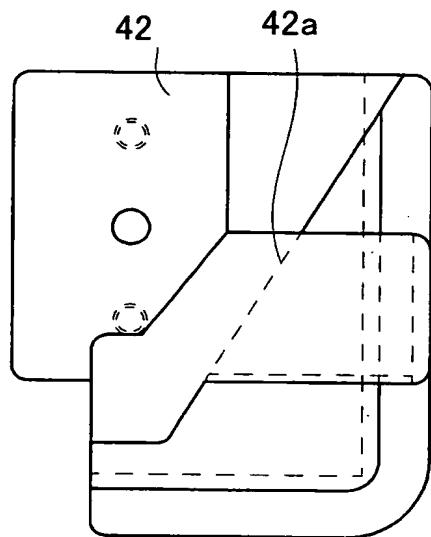
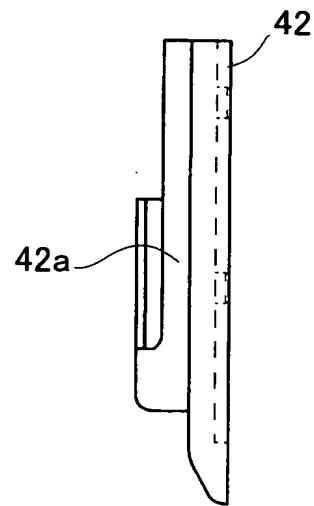


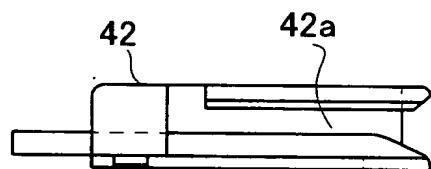
FIG. 66



(A)



(C)



(B)

FIG.67

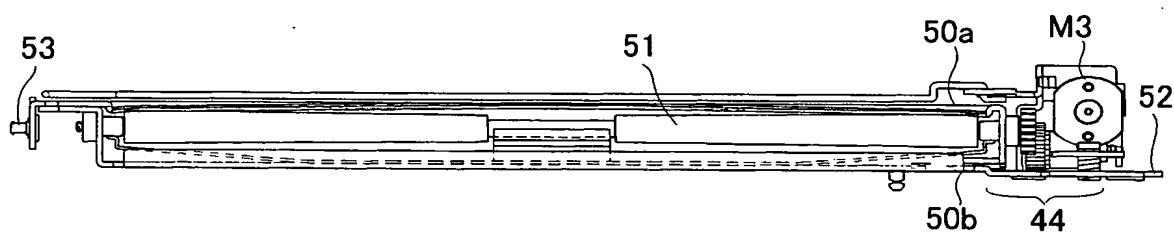


FIG.68

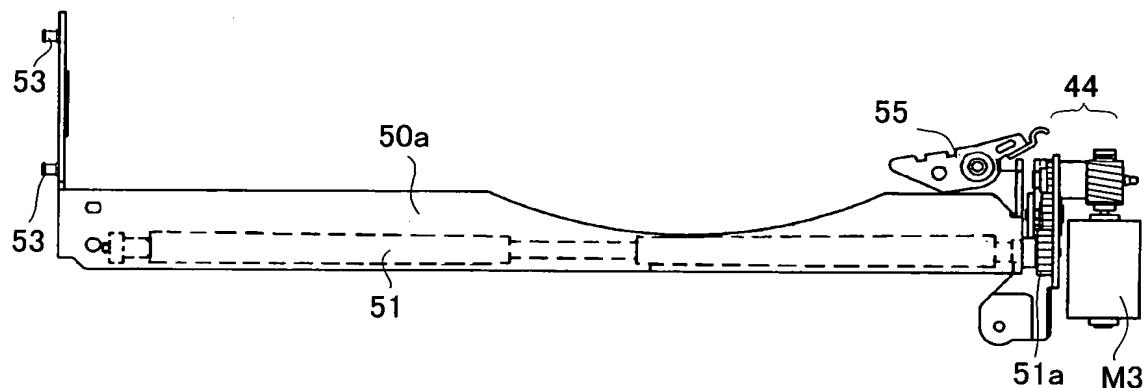


FIG. 69

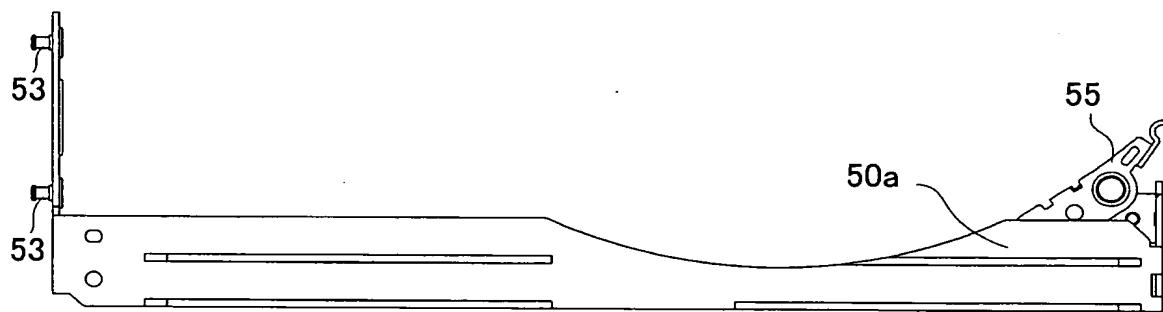


FIG. 70

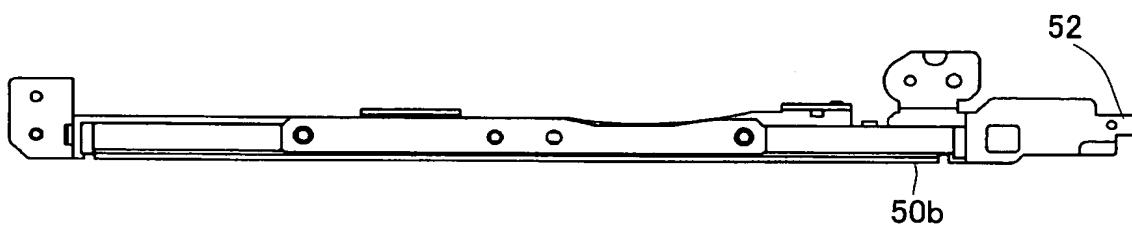


FIG. 71

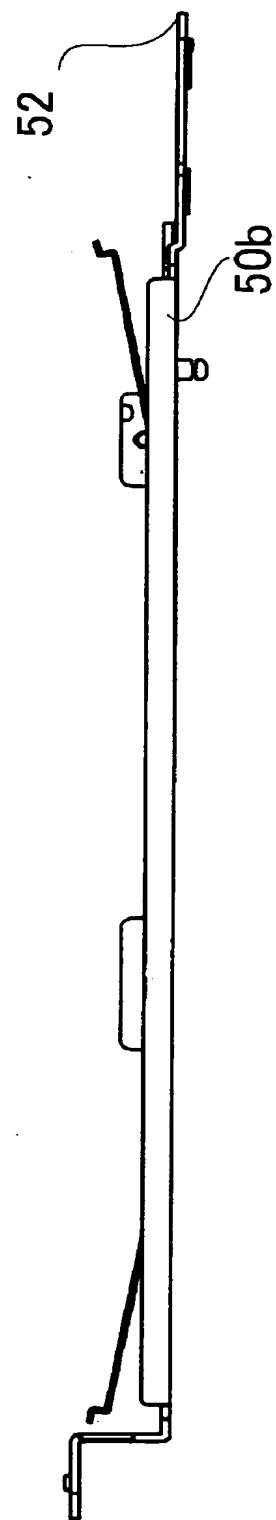


FIG. 72

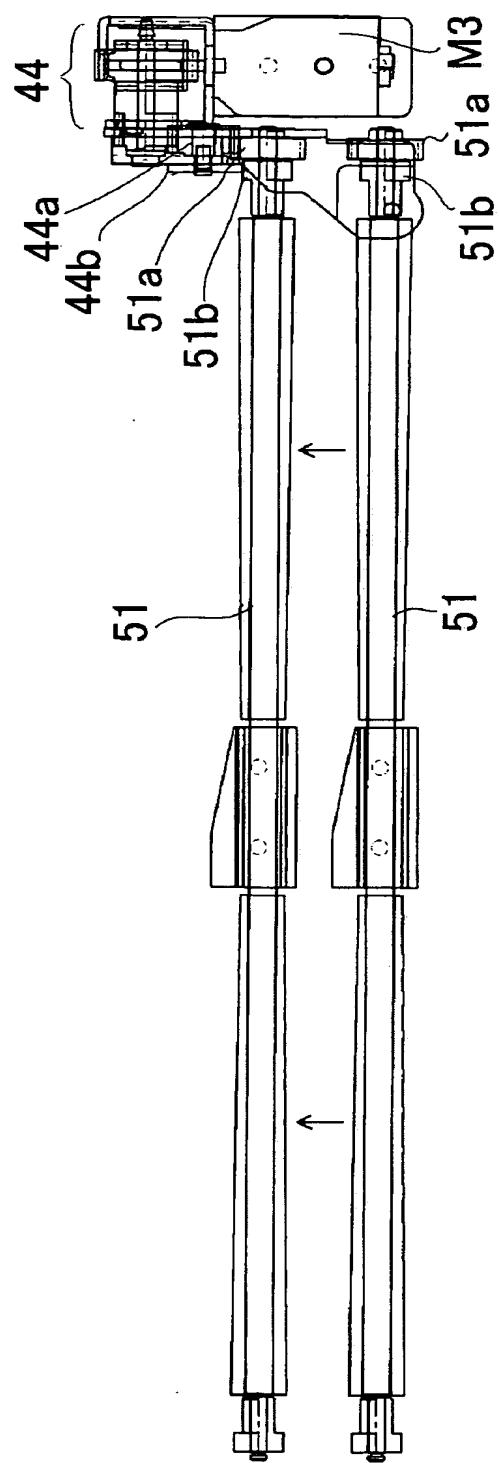


FIG. 73

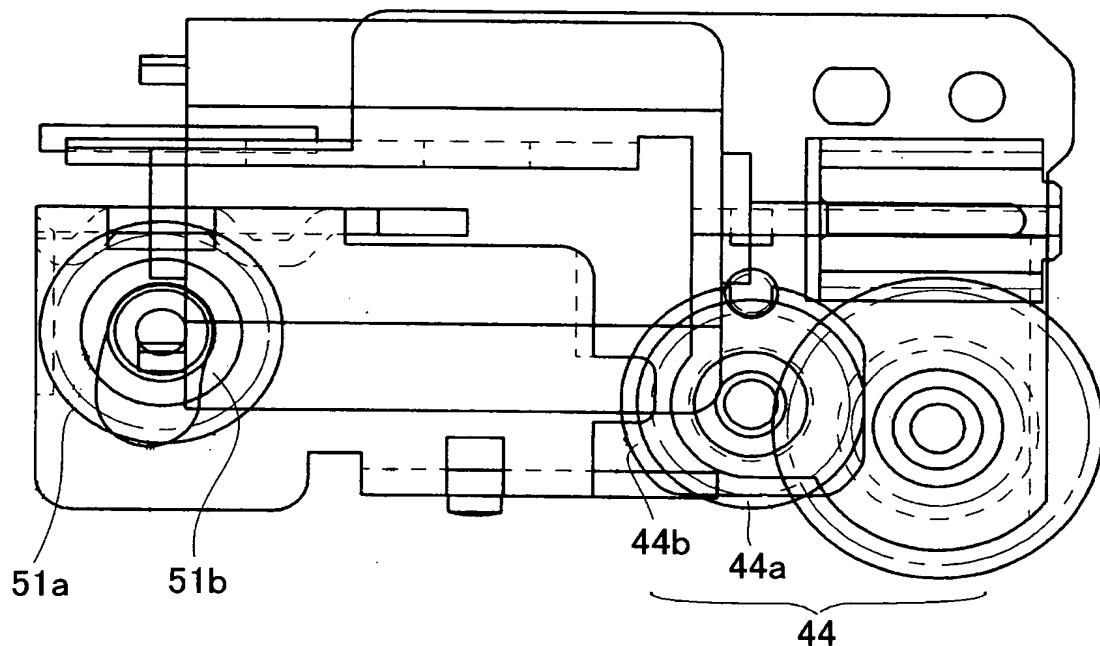


FIG. 74

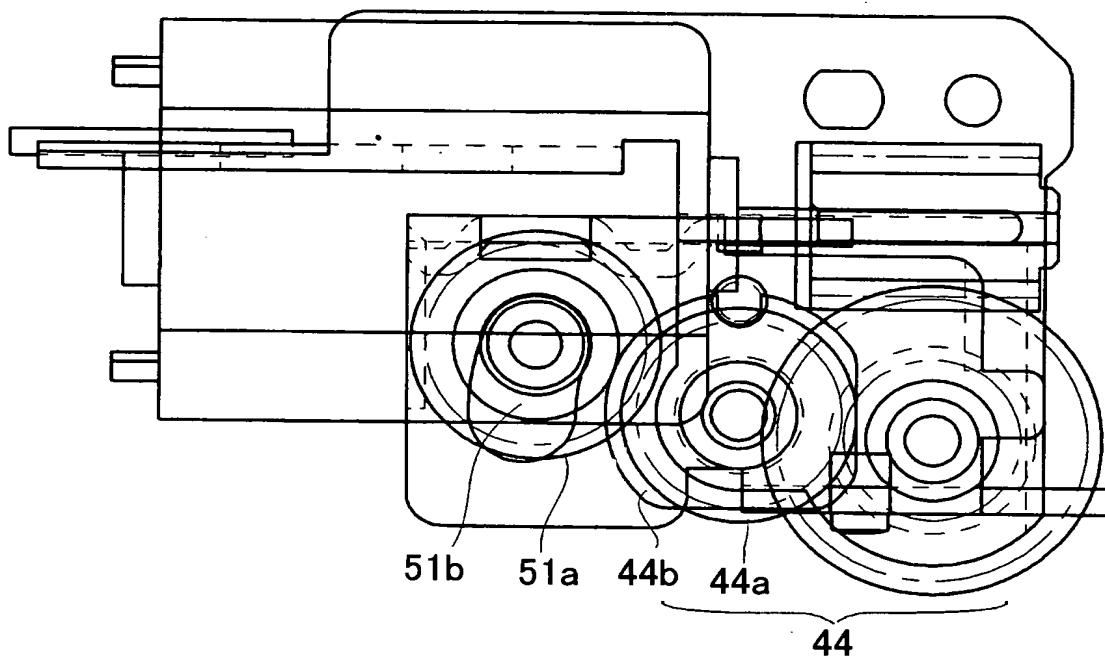


FIG. 75

62

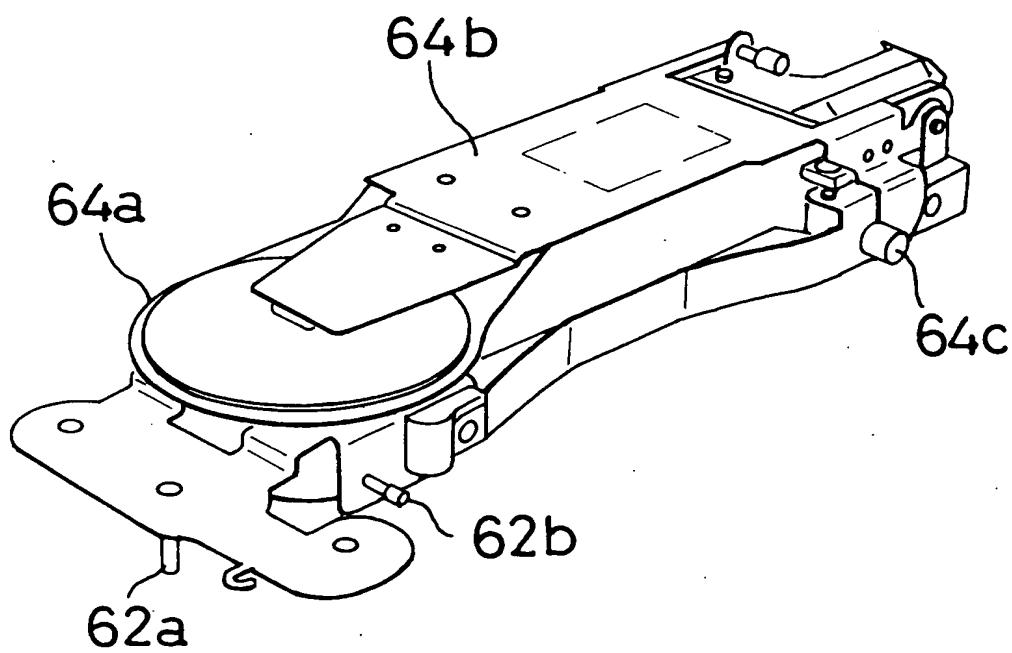


FIG. 76

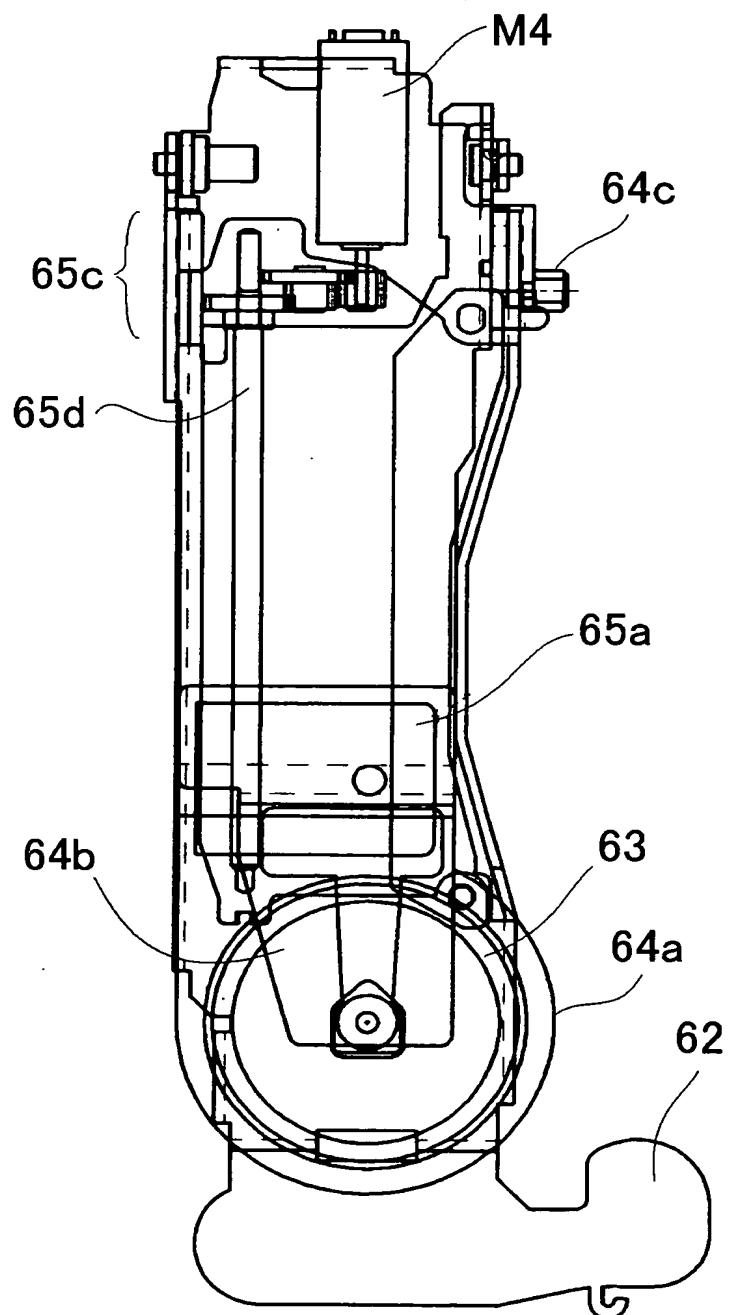


FIG. 77

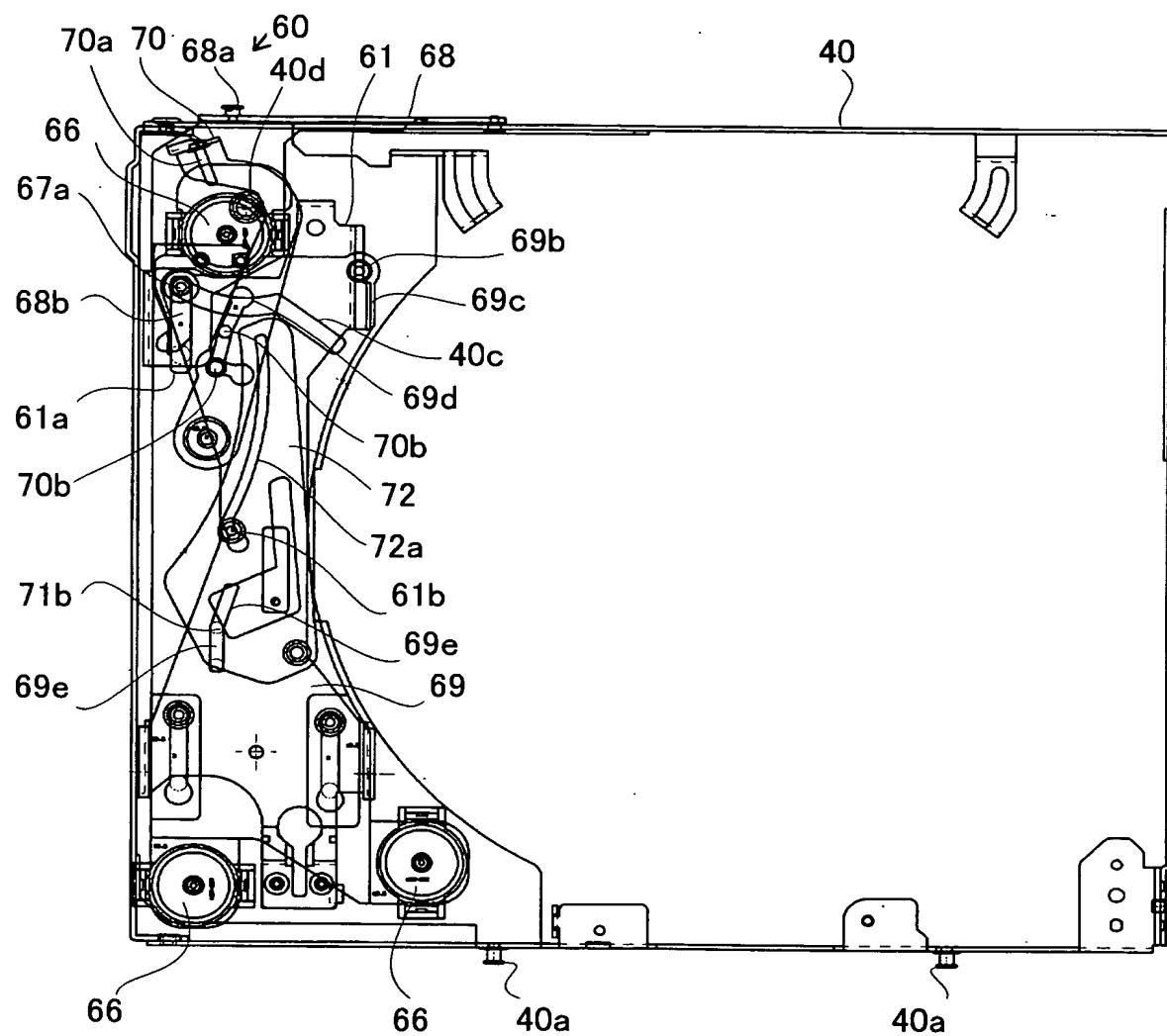
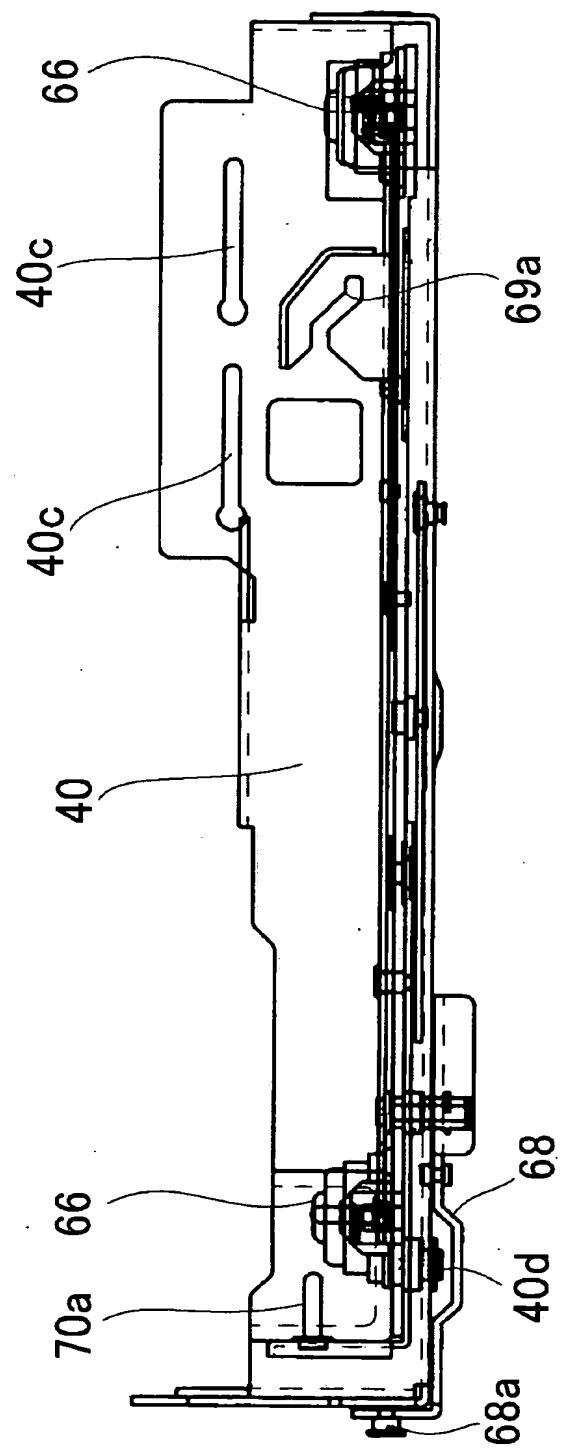


FIG. 78



10/551684

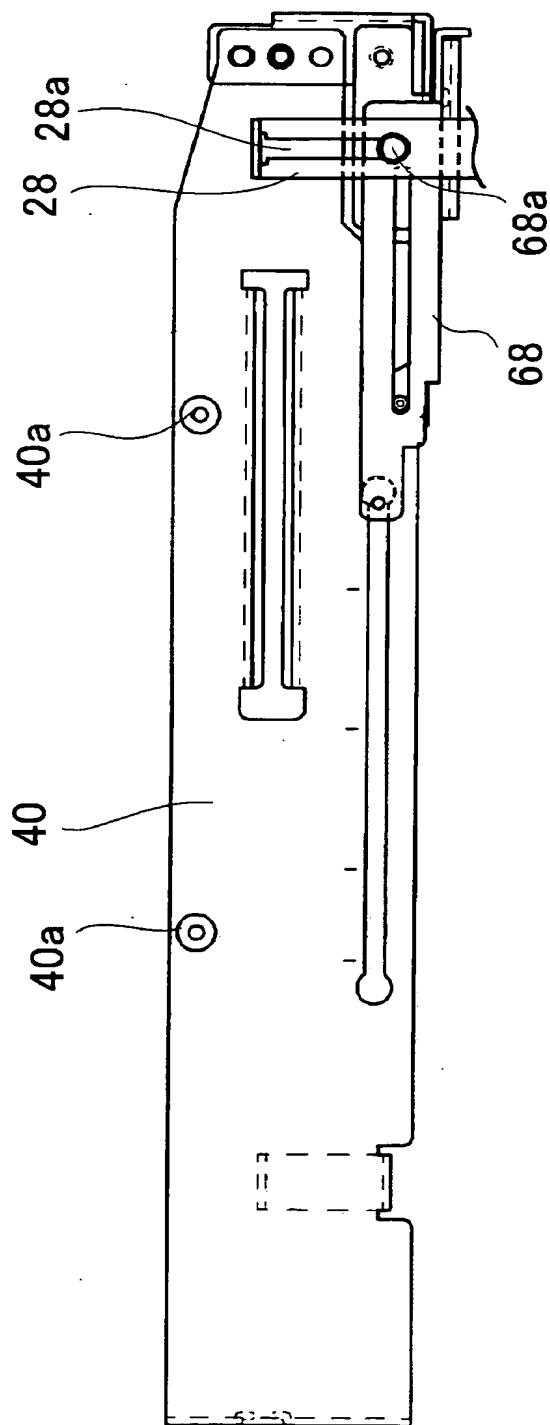
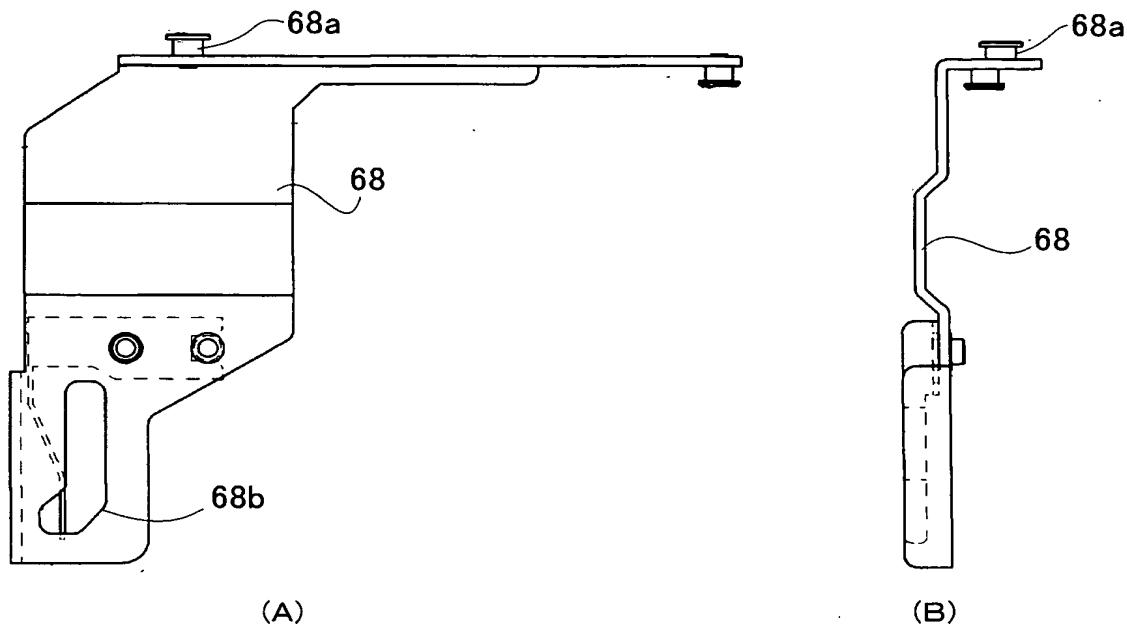


FIG. 79

FIG. 80



10/551684

FIG. 81

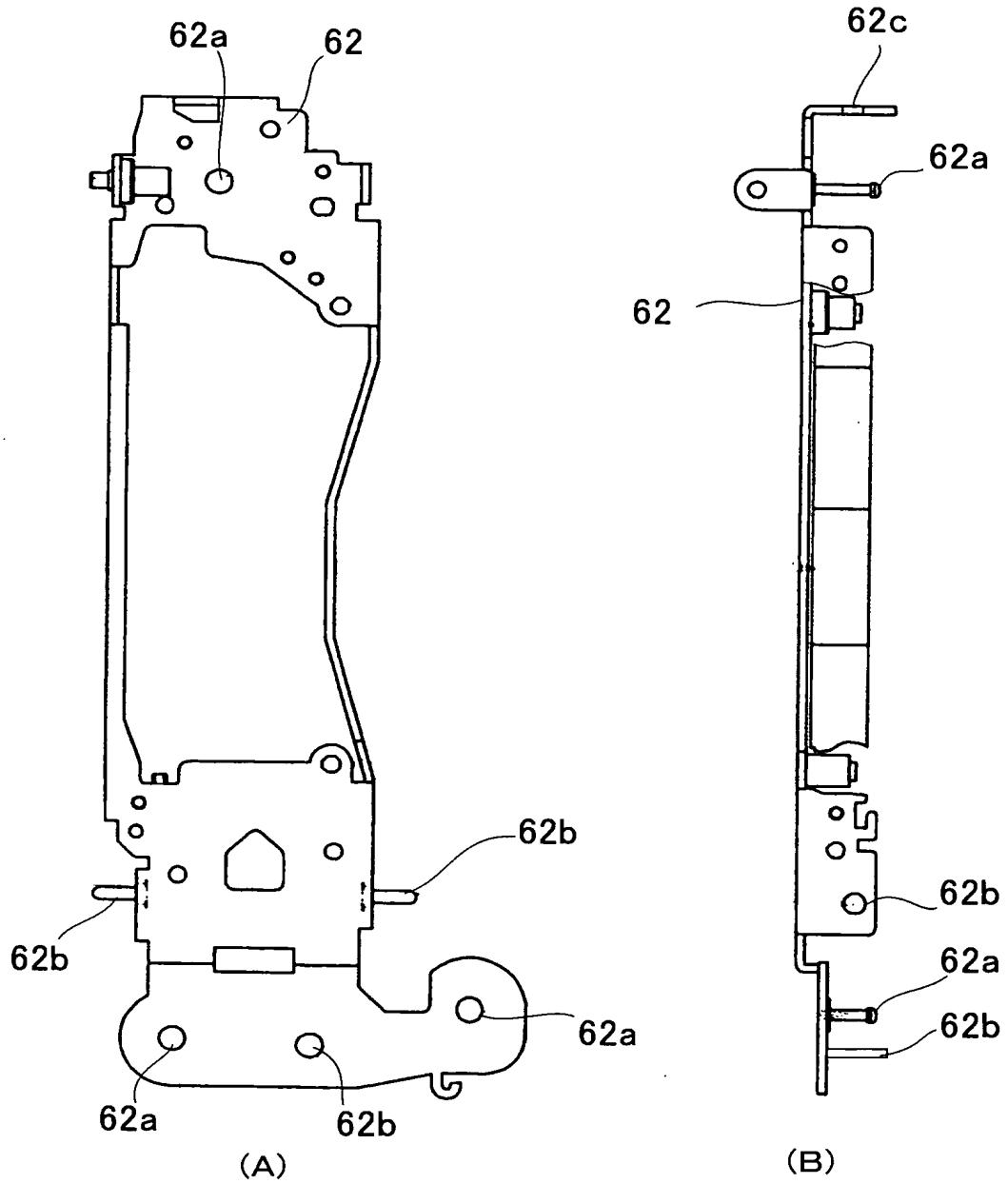


FIG.82

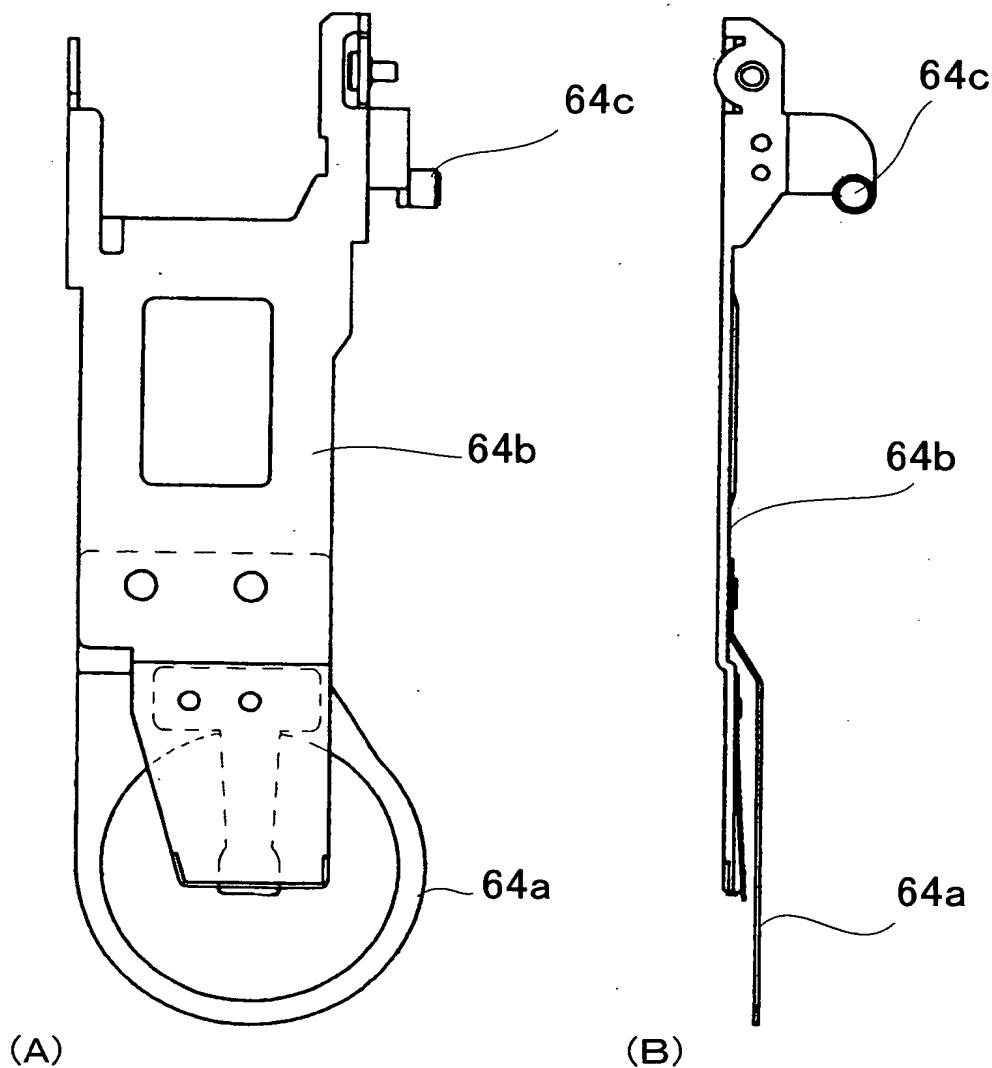


FIG. 83

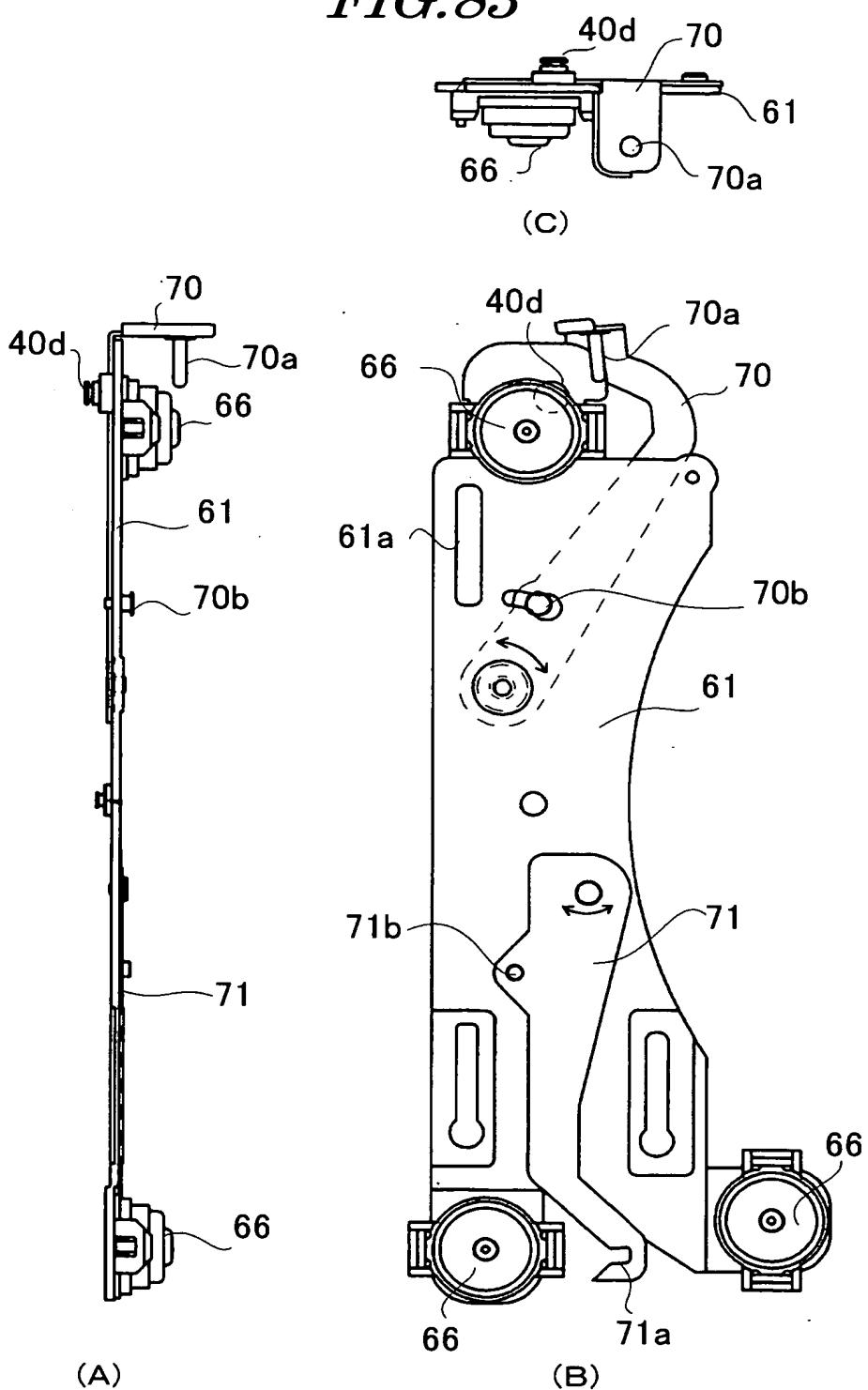


FIG. 84

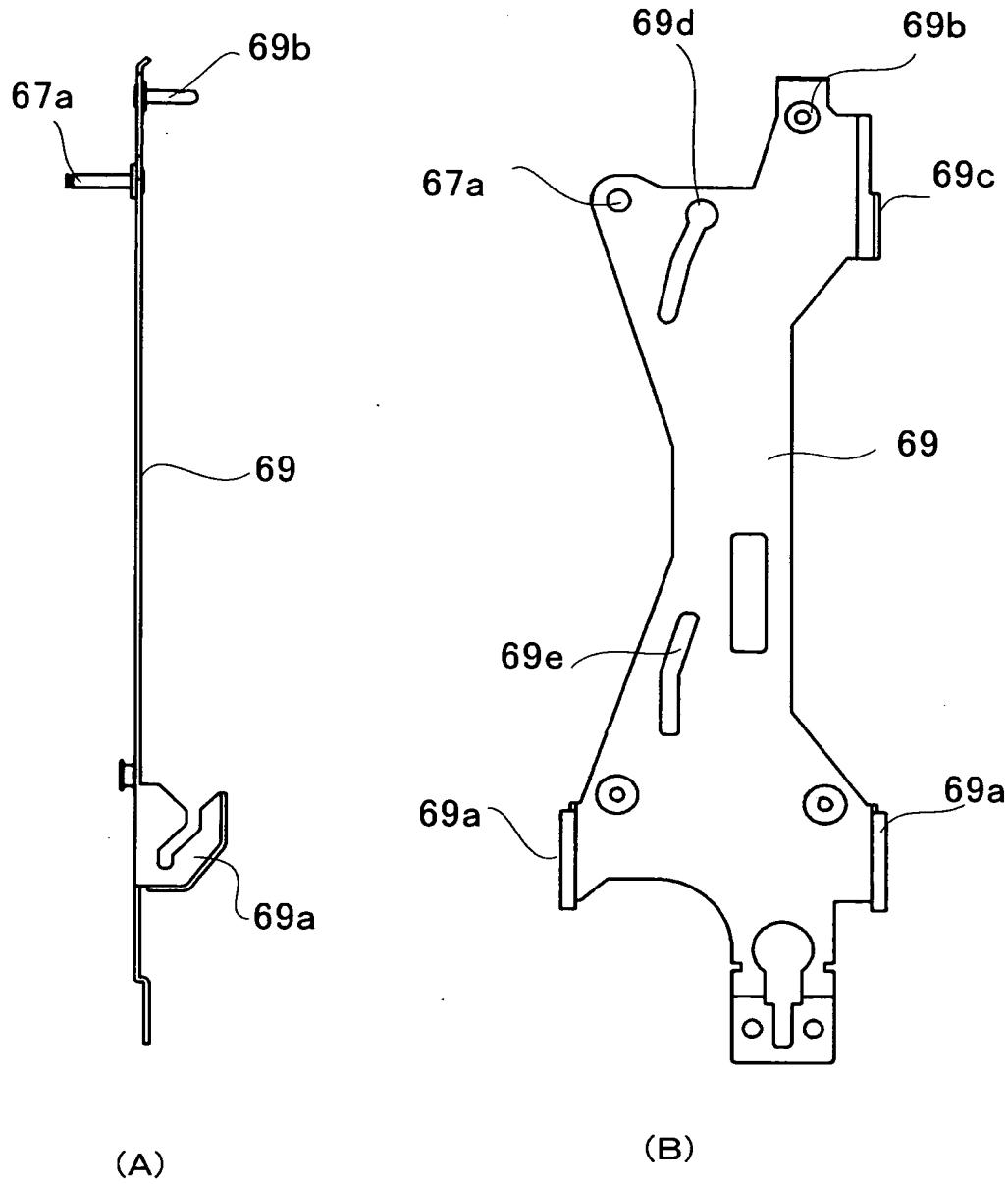


FIG.85

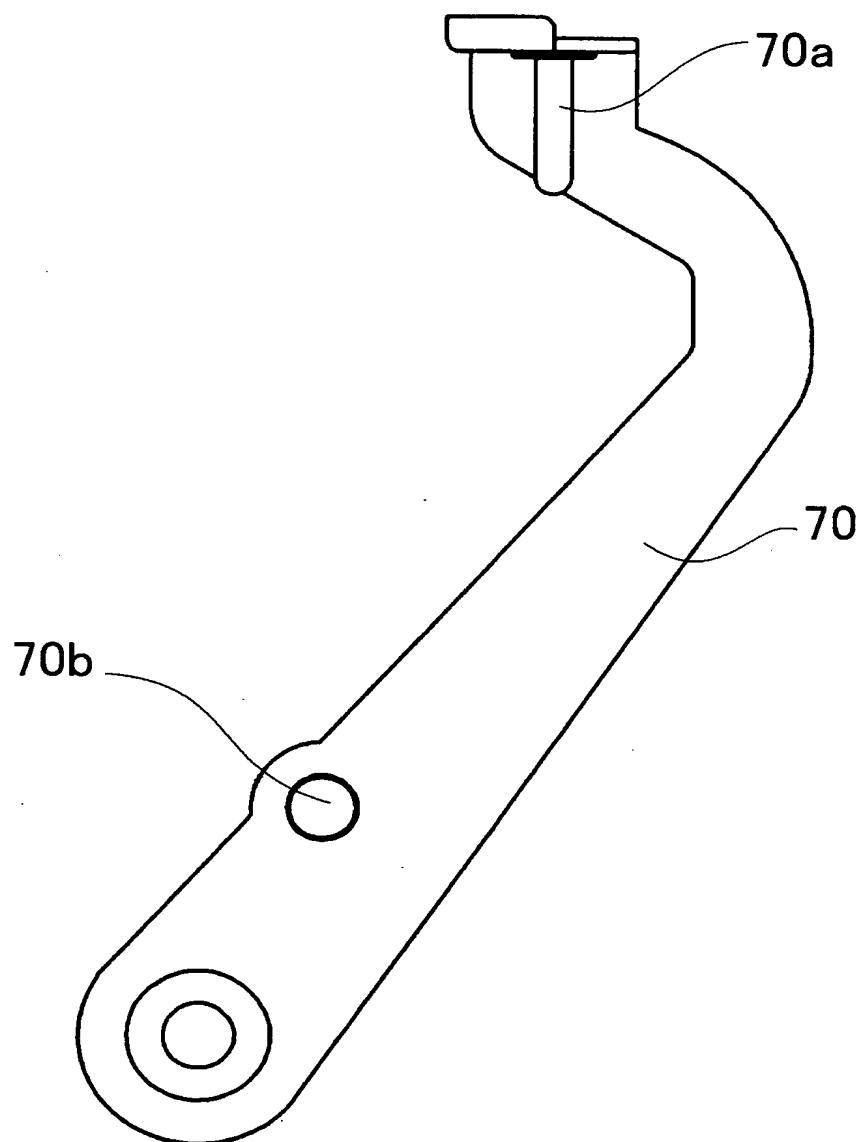


FIG.86

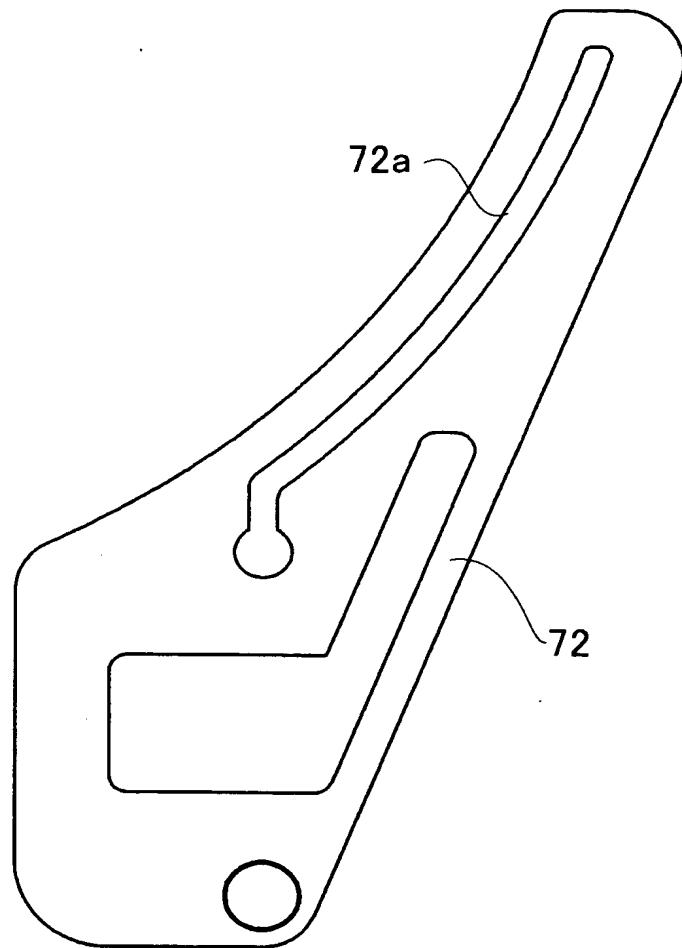


FIG. 87

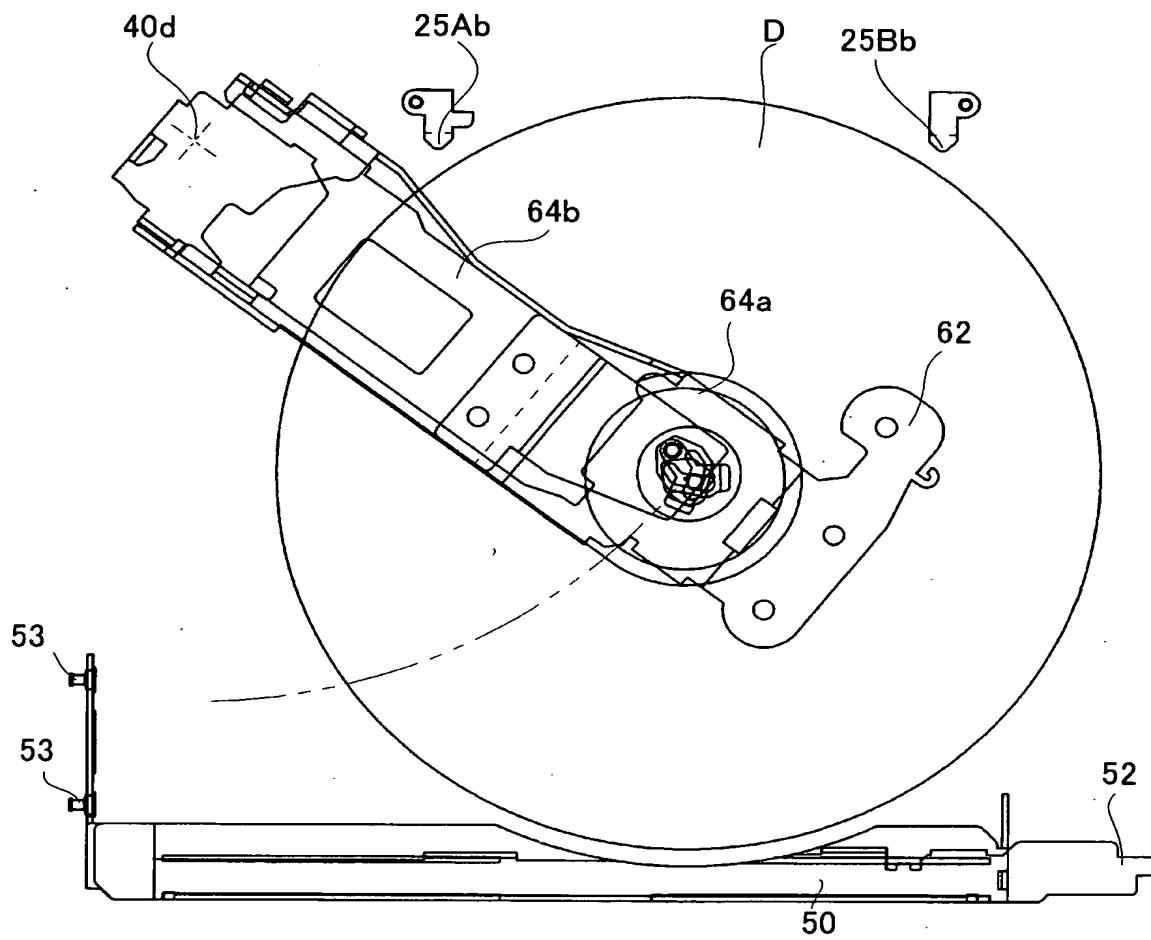


FIG. 88

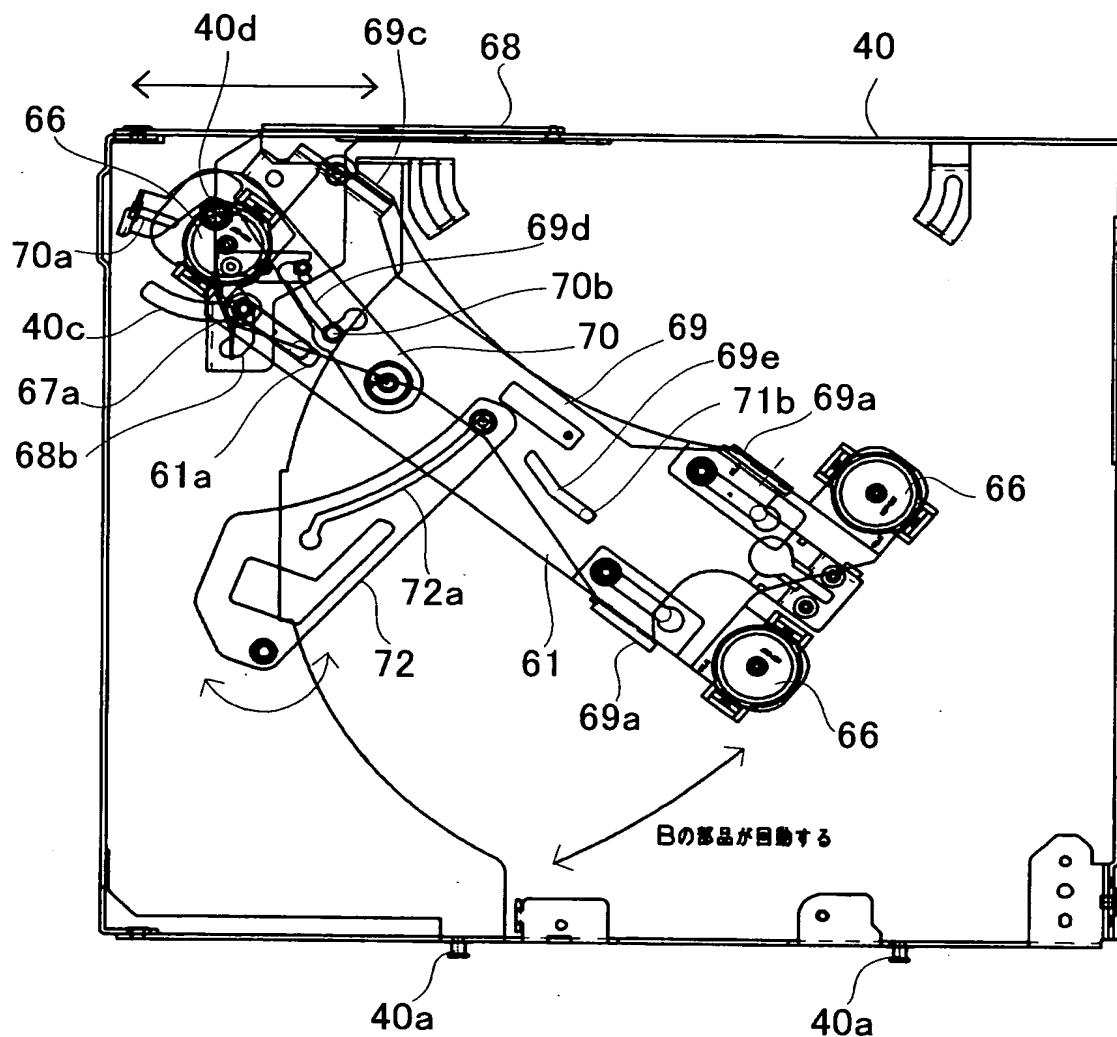


FIG. 89

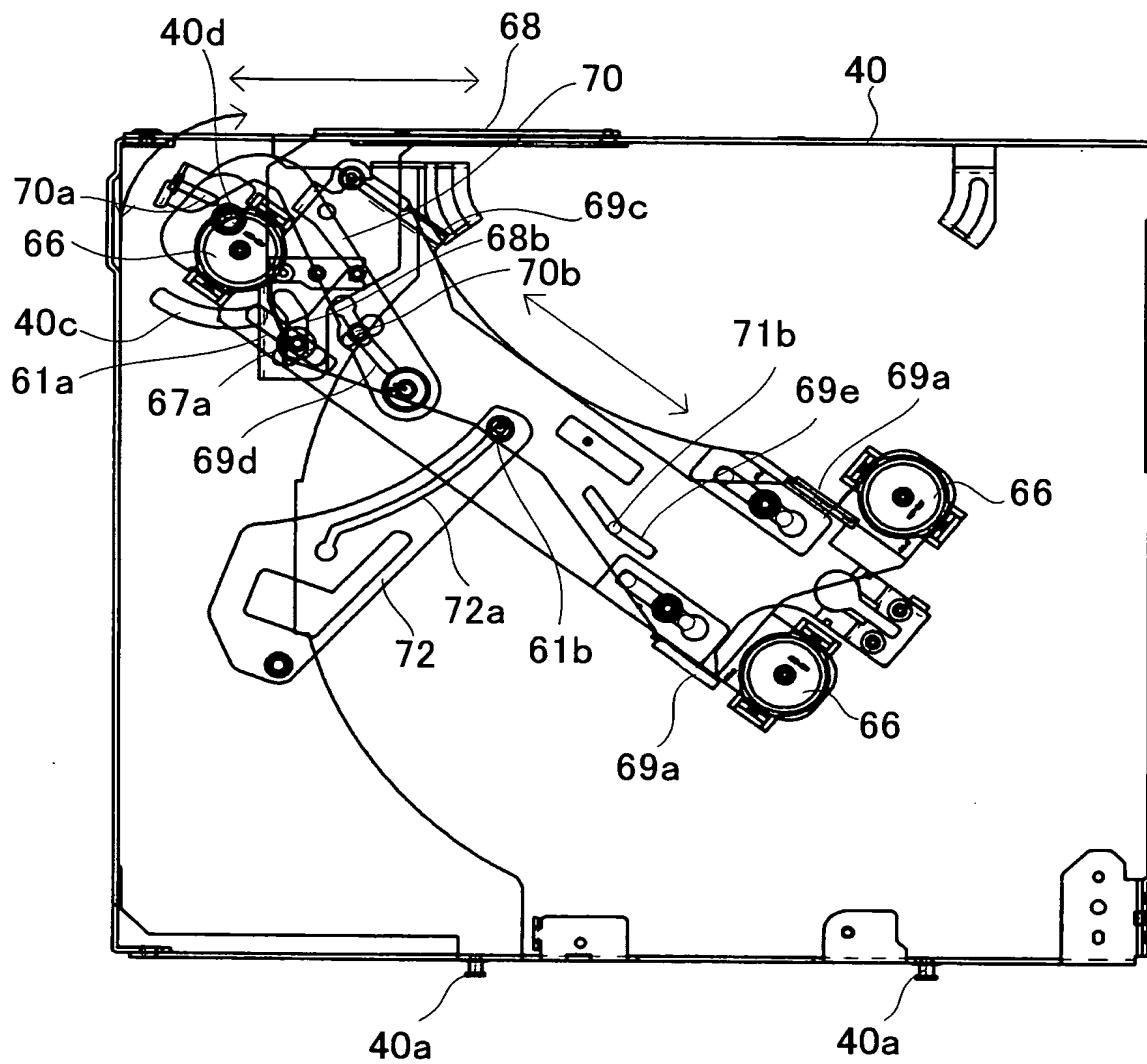


FIG.90

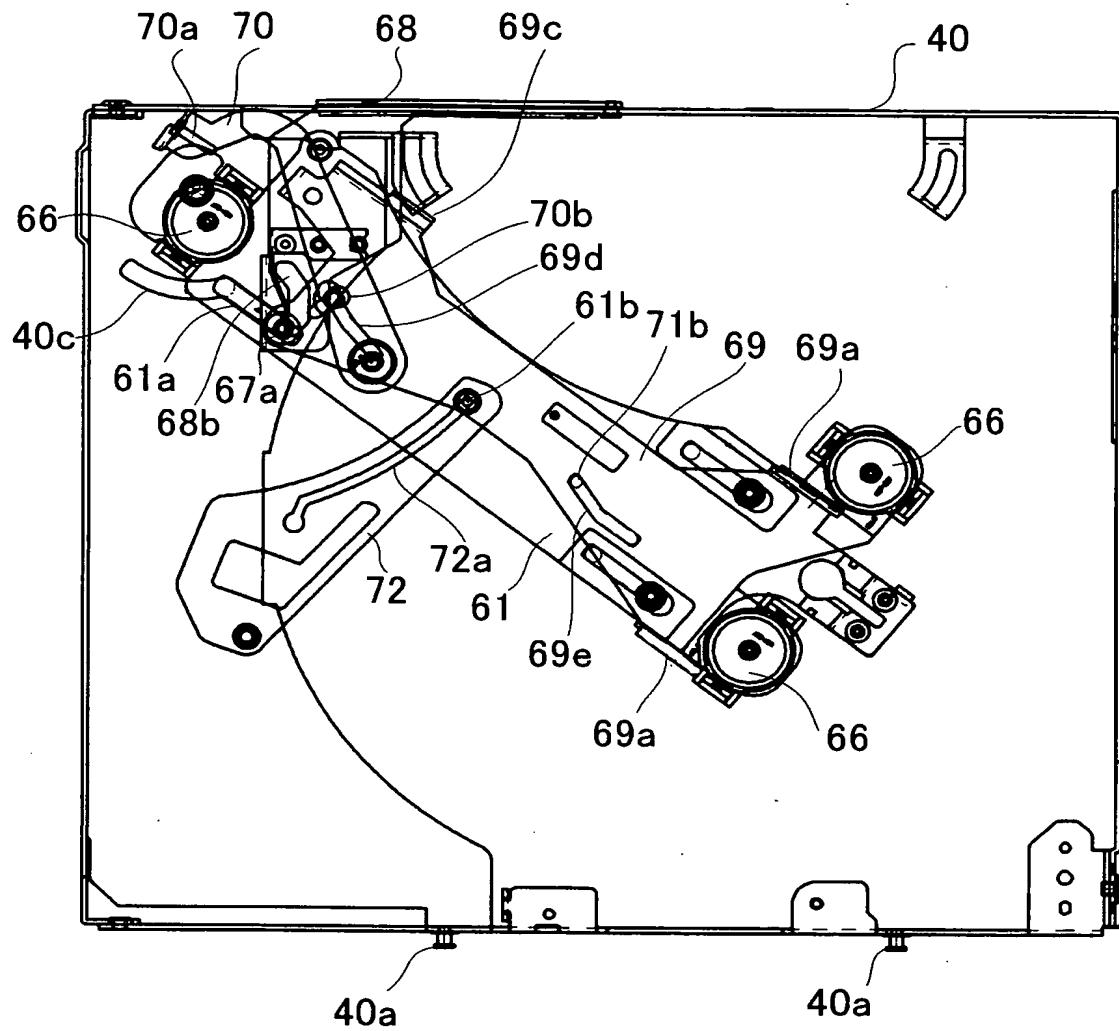


FIG. 91

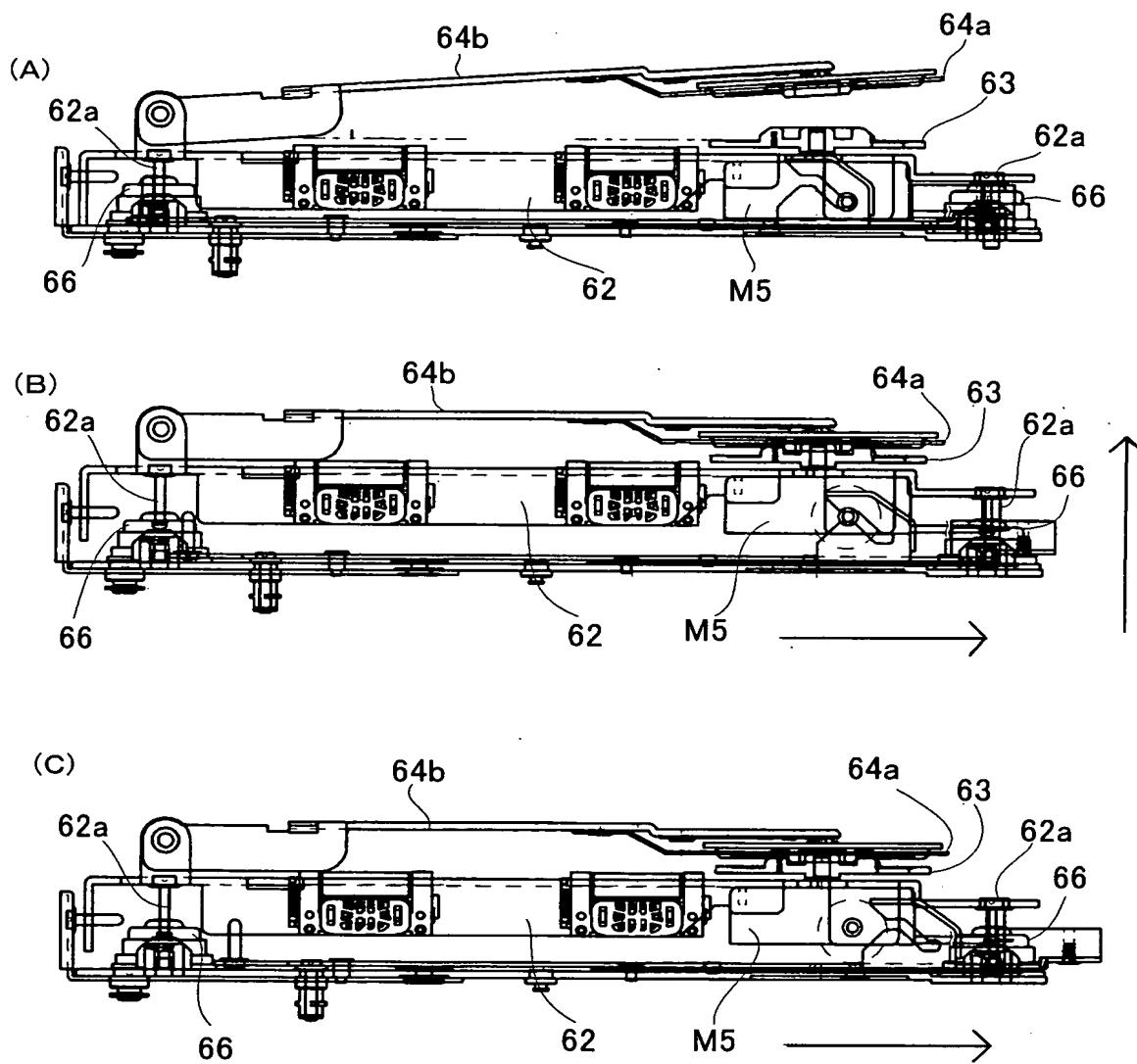


FIG. 92

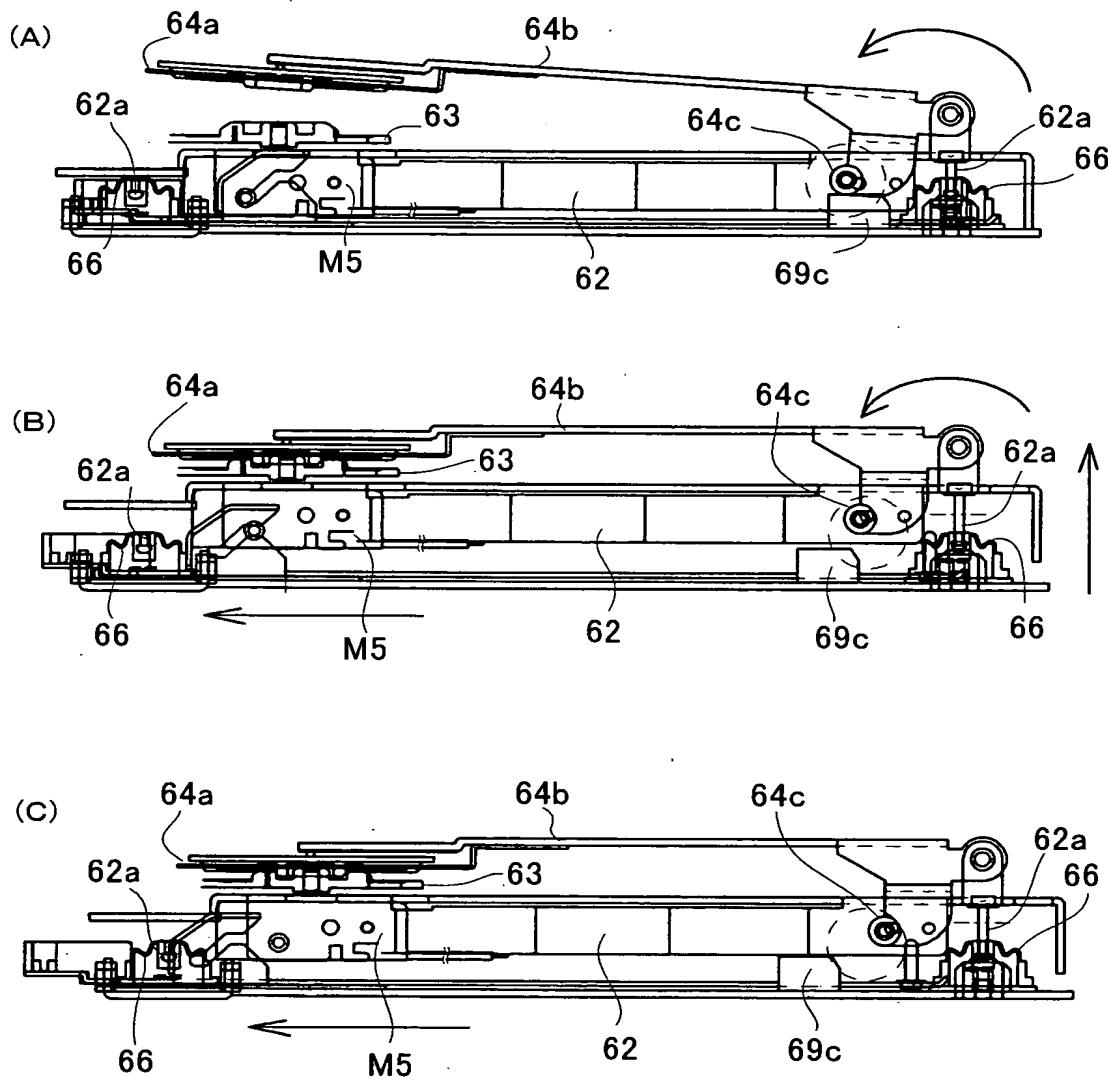


FIG. 93

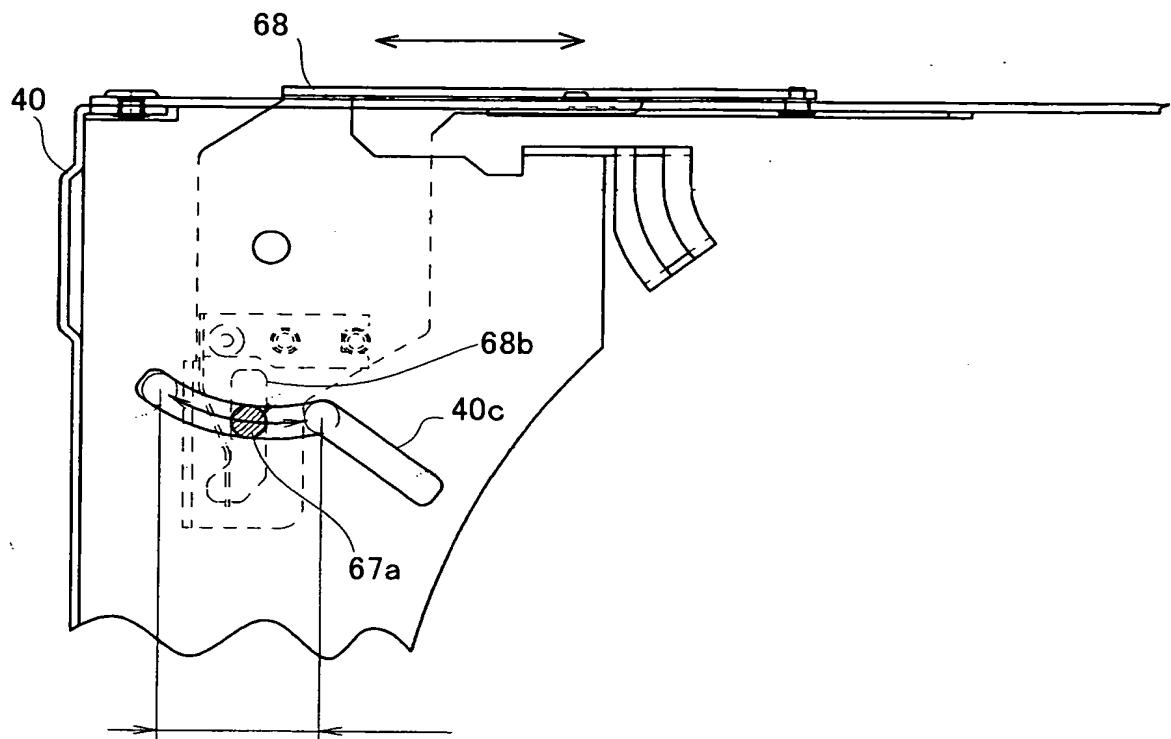


FIG. 94

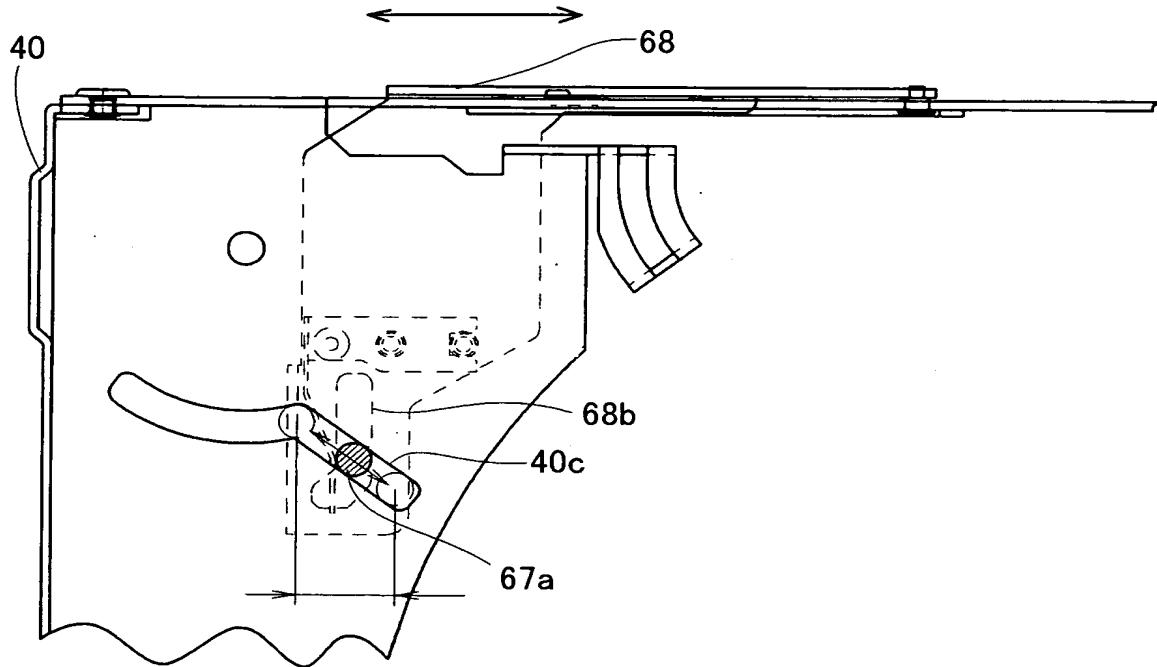


FIG.95

FLOW OF OPERATION DURING DISK LOADING

	OPERATION CONTENT	WORKING MOTOR				
		M1	M2	M3	M4	M5
1	DRIVE CHASSIS UNIT IS MOVED INTO A POSITION PERMITTING THE SELECTION OF A HOLDER PLATE FOR STORING THE LOADED DISK		○			
2	DISK SELECTOR IS MOVED TO OPEN THE HOLDER PLATE TO A WIDTH PERMITTING THE INSERTION OF THE LOADING ROLLER (HOLDER OPEN POSITION (1)).	○				
3	DRIVE CHASSIS UNIT IS RAISED TO A HEIGHT THAT ALLOWS DISK LOADING		○			
4	LOADING ROLLER IS MOVED TOWARD THE DISK HOLDER TO ENTER A STATE ALLOWING A DISK TO BE HELD					
	SHUTTER IS OPENED	○				
5	CATCHES OF DISK HOLD LINKS ARE CLOSED AND DISK HOLDER IS OPENED FURTHER SO THAT THE CENTER OF THE HOLDER PLATE DOES NOT OBSTRUCT THE DISK INSERTION PATH (HOLDER OPEN POSITION (2)).					
6	DISK IS DETECTED BY SENSOR AND LOADING ROLLER IS ROTATED IN THE LOADING DIRECTION (FORWARD DIRECTION)			○		
7	THE COMPLETE STORAGE OF THE DISK IN THE DISK HOLDER IS DETECTED AND ROTATION OF THE LOADING ROLLER IS STOPPED					
8	SHUTTER IS CLOSED AND DISK IS HELD ON HOLDER PLATE	○				
9	DRIVE CHASSIS UNIT IS MOVED SO THAT THE HOLDER PLATE IS AT THE HEIGHT OF THE INITIAL POSITION		○			
10	LOADING ROLLER AND DISK STOPPER ARE REMOVED FROM DISK					
	DISK SELECTOR IS REMOVED FROM HOLDER PLATE TO ESTABLISH A STATE WHERE THE HOLDER PLATE IS BONDED	○				
11	DRIVE CHASSIS UNIT MOVES TO HEIGHT OF INITIAL POSITION		○			

FIG.96

FLOW OF OPERATION DURING DISK PLAYBACK

	OPERATION CONTENT	WORKING MOTOR				
		M1	M2	M3	M4	M5
1	DRIVE CHASSIS UNIT IS MOVED INTO A POSITION PERMITTING THE SELECTION OF A HOLDER PLATE FOR STORING THE DISK TO BE PLAYED BACK		○			
2	DISK SELECTOR IS MOVED TO OPEN THE HOLDER PLATE TO A WIDTH PERMITTING THE INSERTION OF THE LOADING ROLLER (HOLDER OPEN POSITION (1)).					
	LOADING ROLLER AND DISK STOPPER ARE MOVED TO HOLD DISK					
	CATCHES OF DISK HOLD LINKS ARE CLOSED AND DISK IS REMOVED BY OPENING THE DISK HOLDER FURTHER (HOLDER OPEN POSITION (2)).					
2	DISK HOLDER IS OPENED FURTHER (HOLDER OPEN POSITION (3)) TO INTRODUCE DRIVE BASE	○				
	TURNTABLE IS INTRODUCED BELOW DISK BY ROTATING THE DRIVE BASE					
	CLAMPER RING IS CLOSED WHILE LIFTING UP DRIVE UNIT AND DISK IS CHUCKED ON TURNTABLE					
	LOADING ROLLER AND DISK STOPPER ARE MOVED TO A POSITION OF NON-CONTACT WITH THE DISK					
	FLOATING BLOCK IS RELEASED TO PUT DRIVE UNIT IN FLOATING STATE					
3	PICKUP IS FED TO INNER CIRCUMFERENCE BY THREAD MOTOR			○		
4	DISK IS PLAYED BACK THROUGH ROTATION					○

FIG. 97

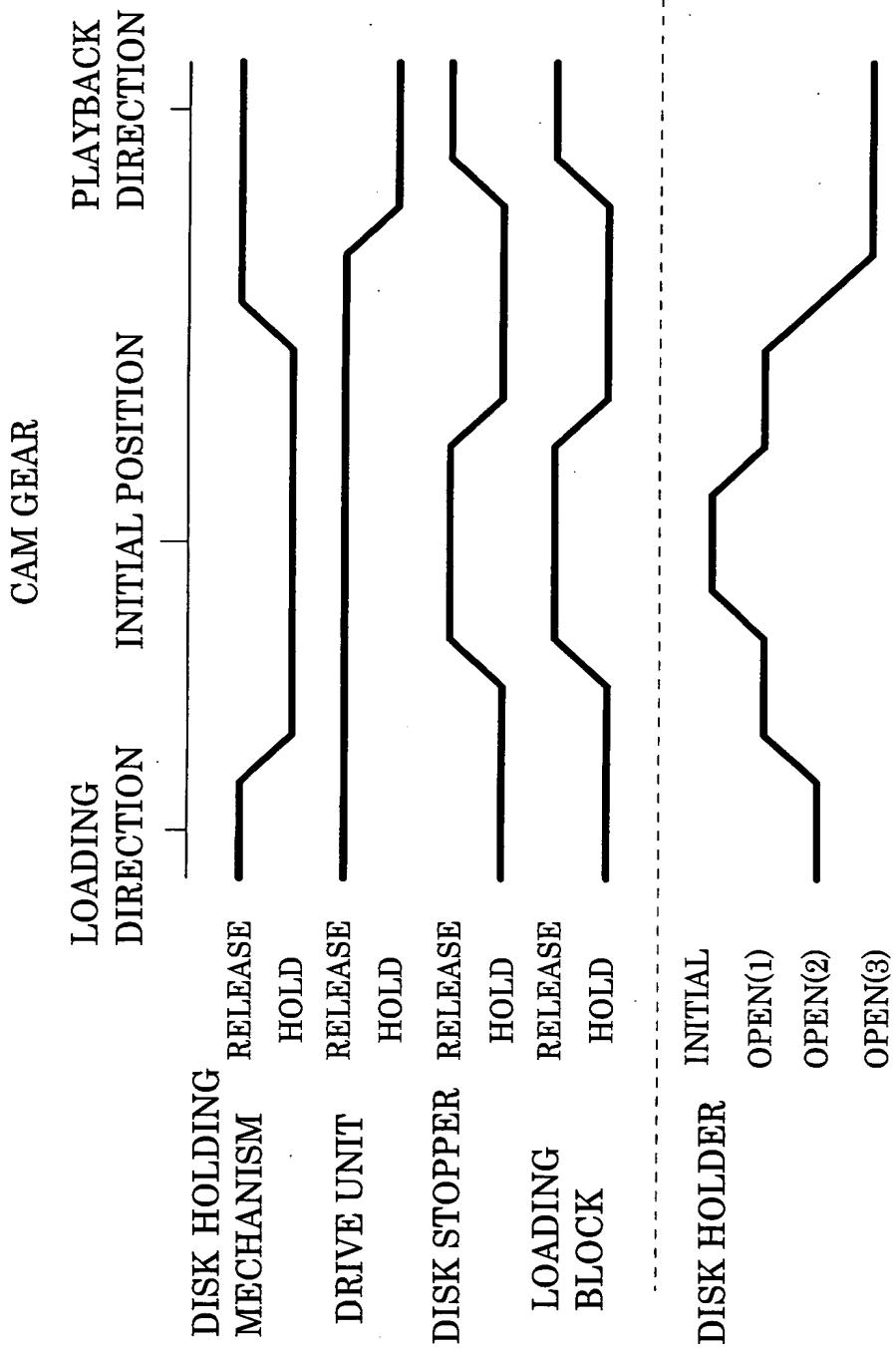


FIG.98

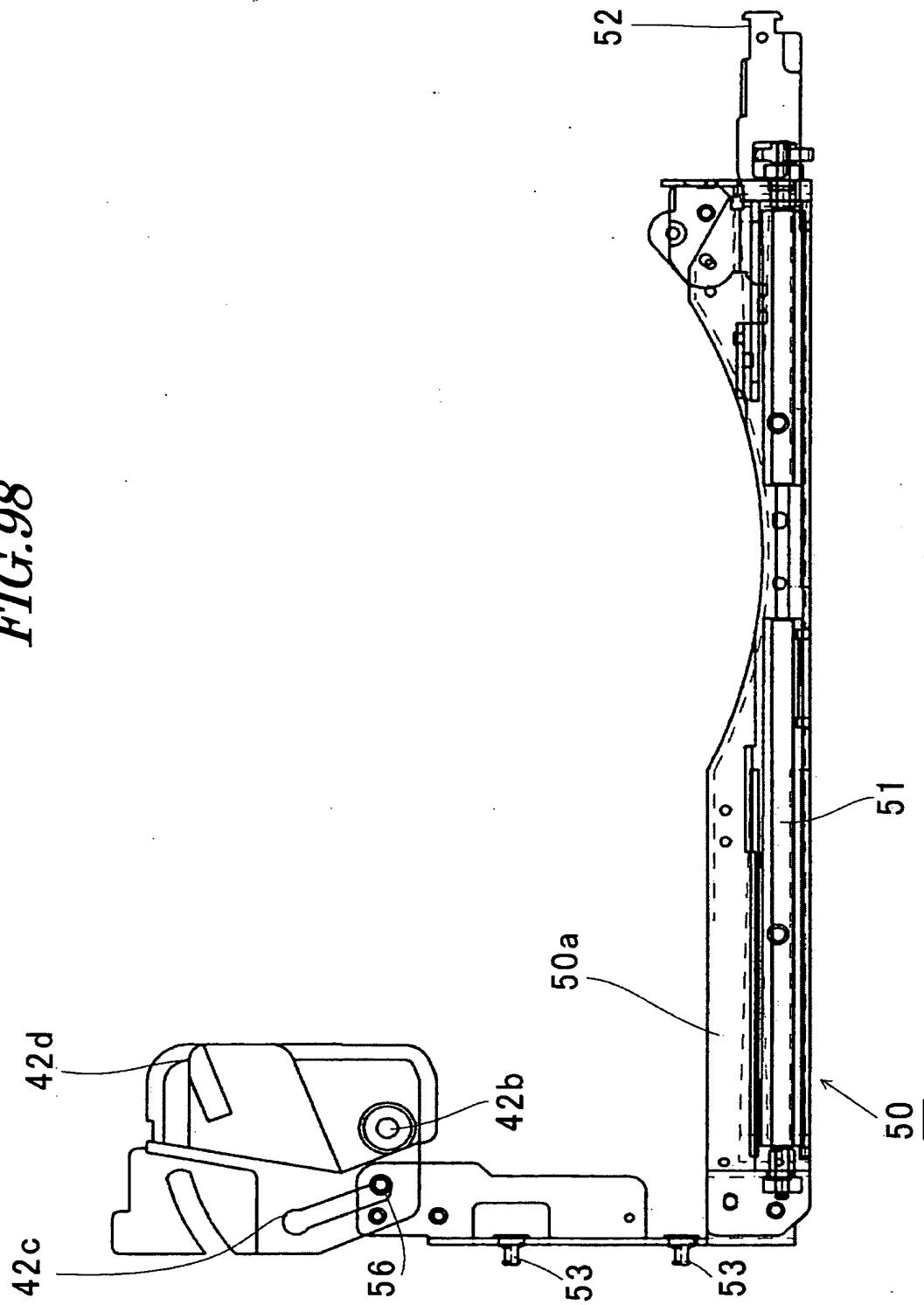
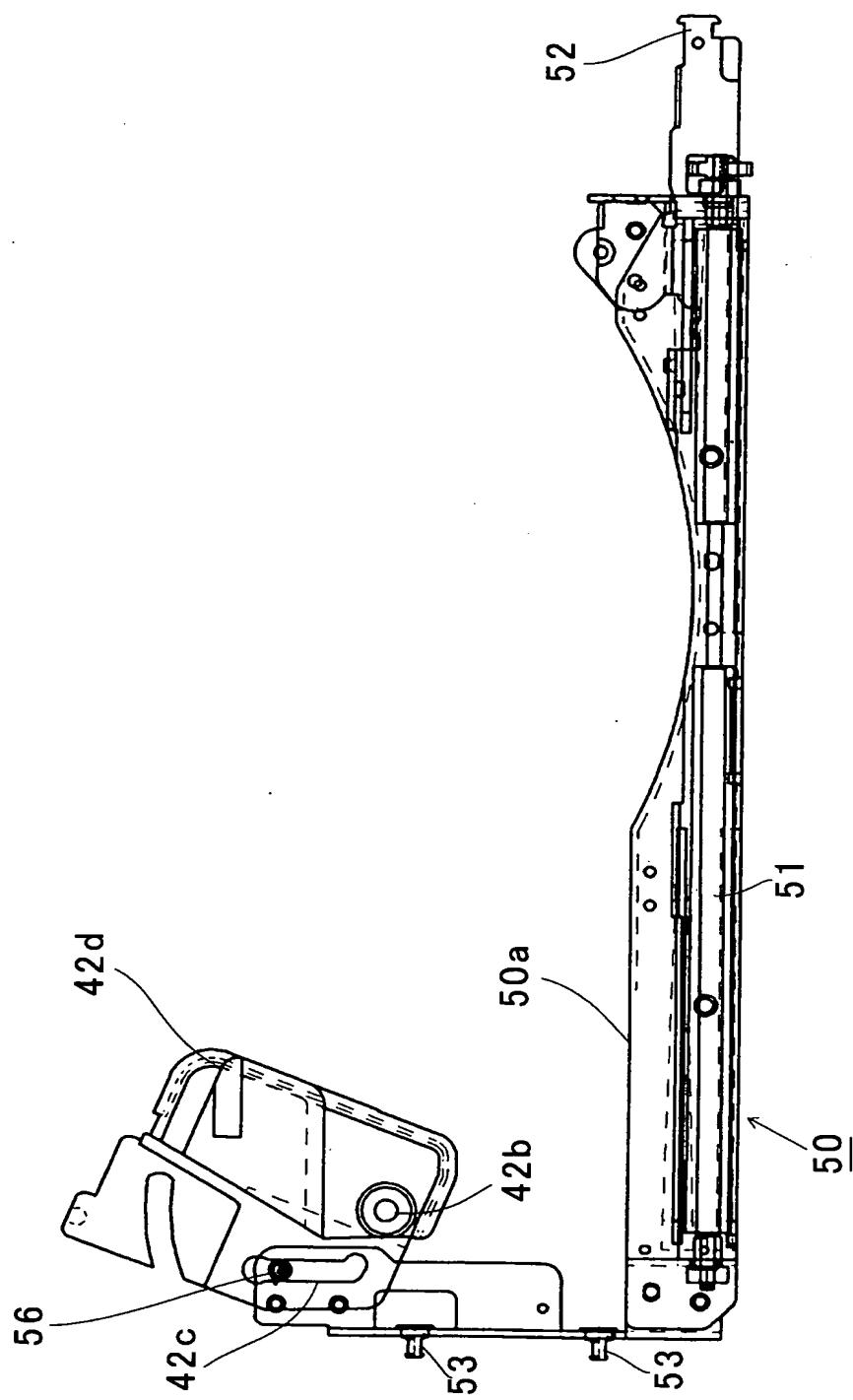


FIG. 99



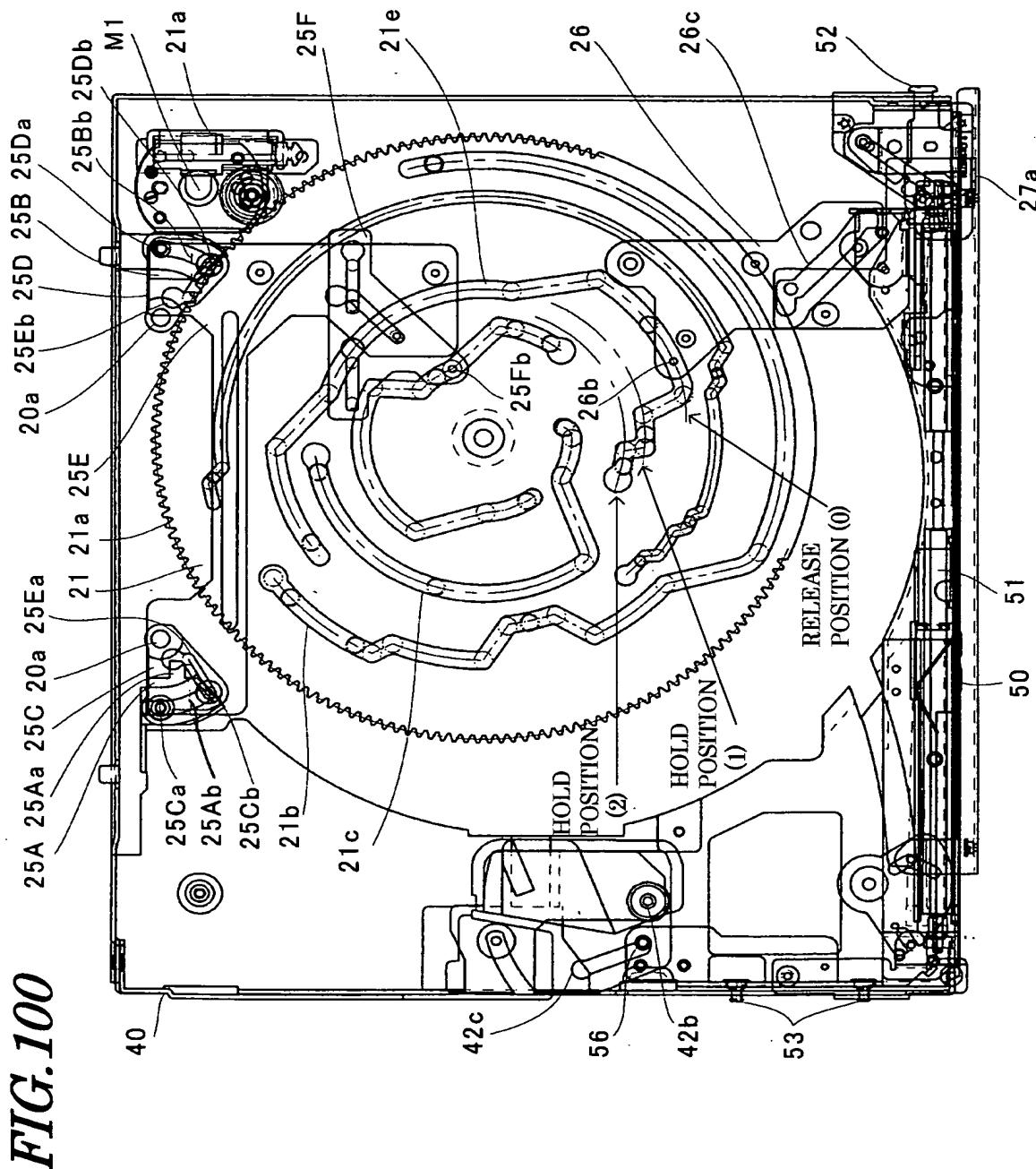
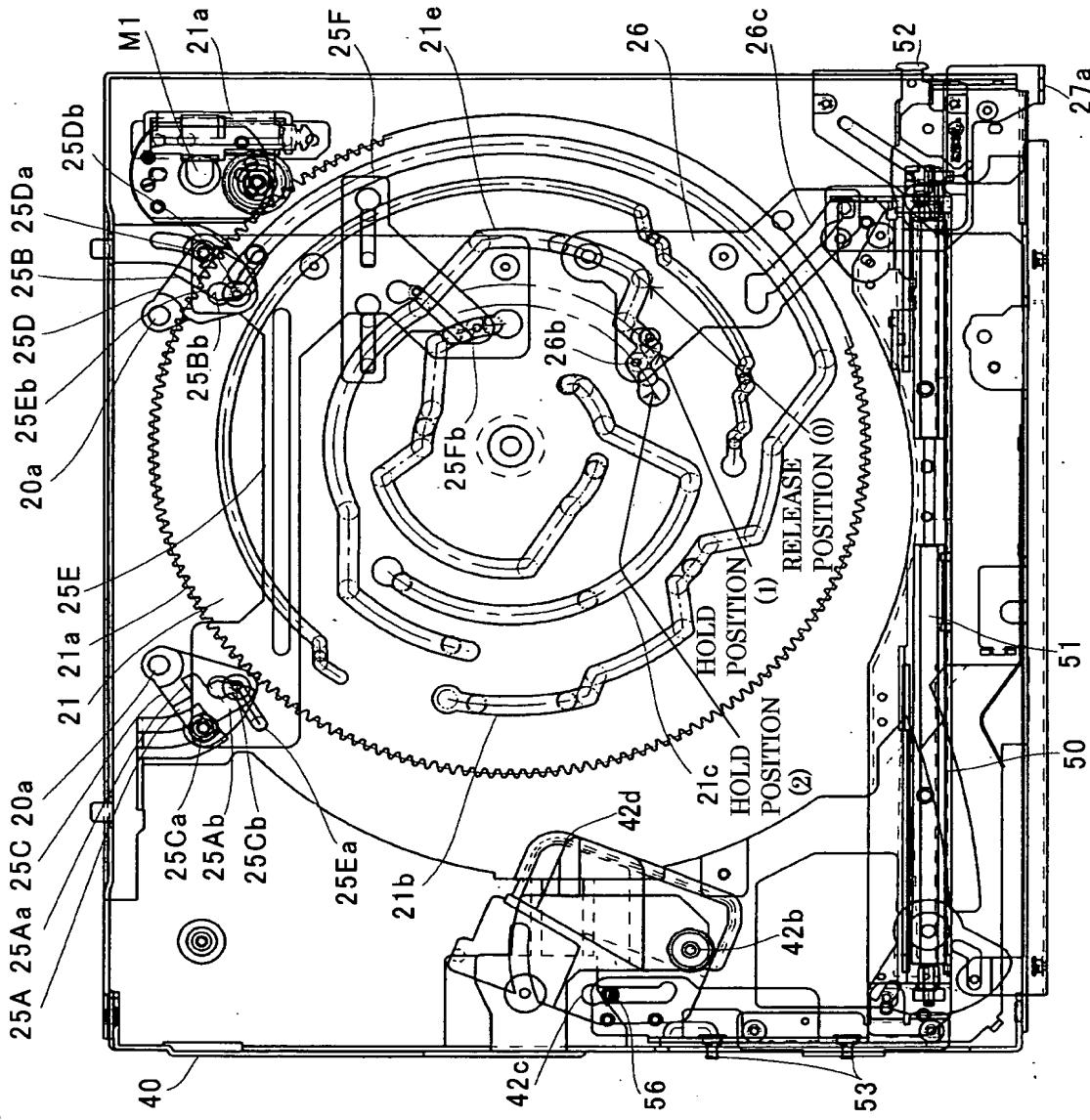
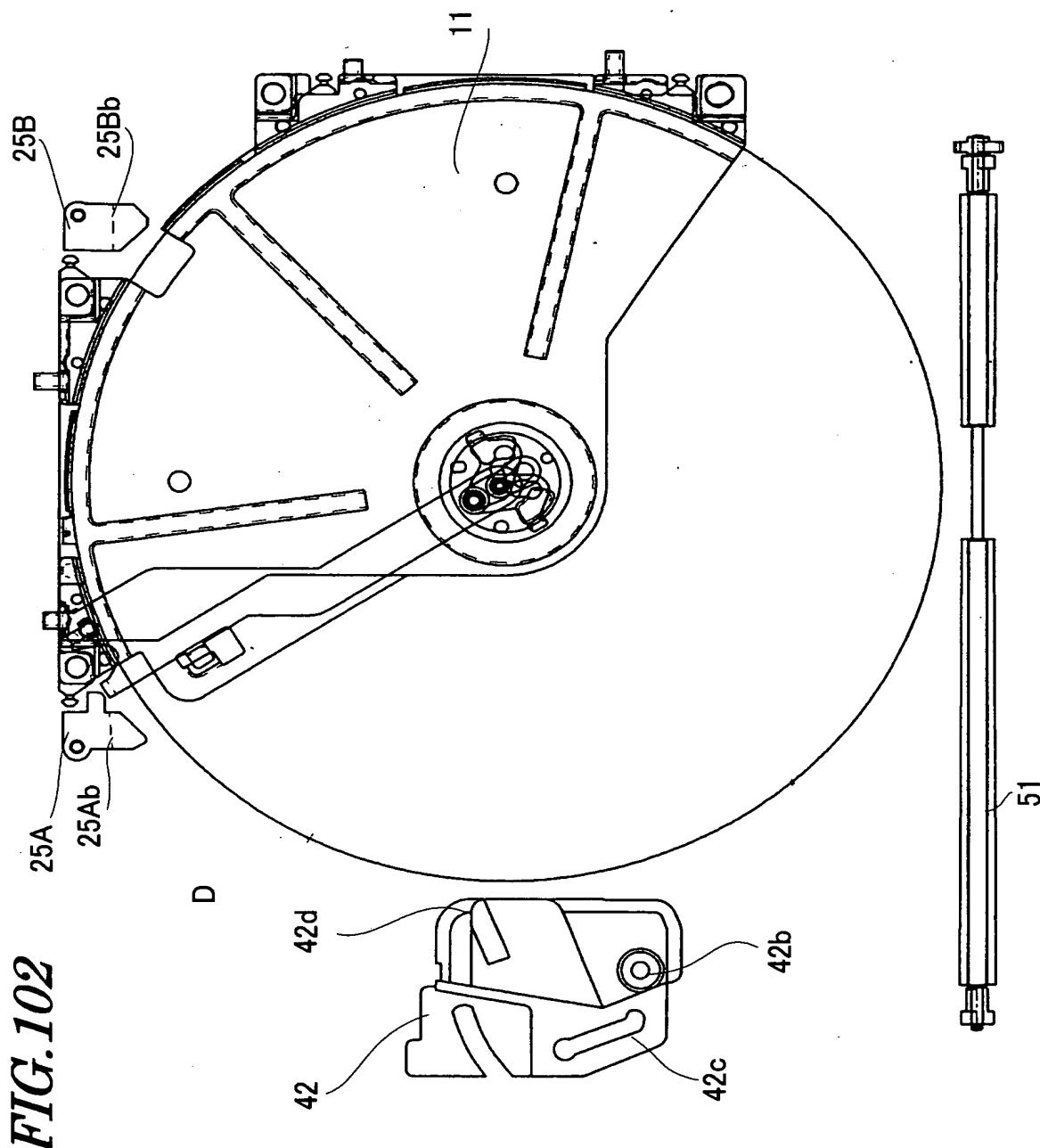


FIG. 101





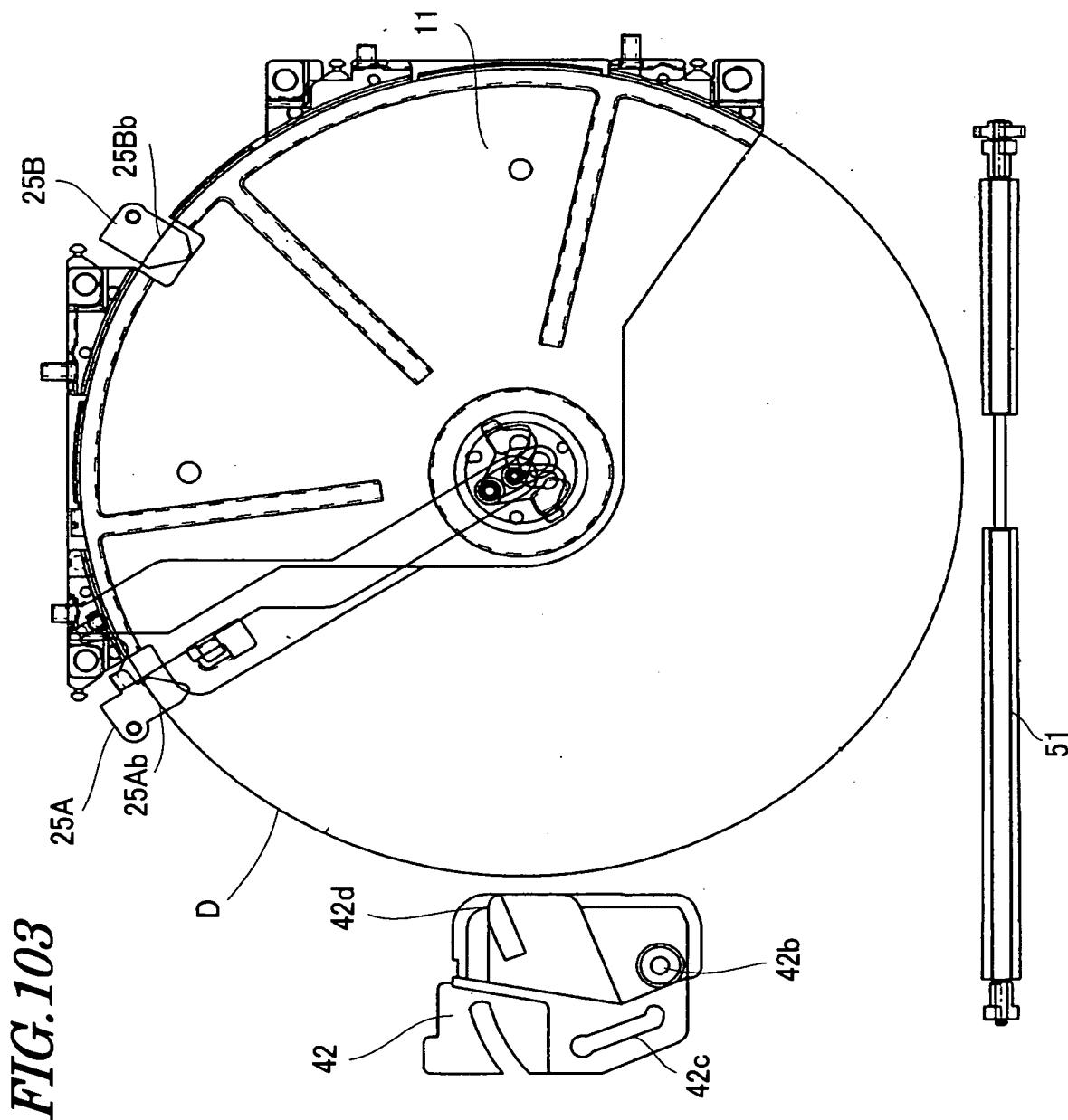
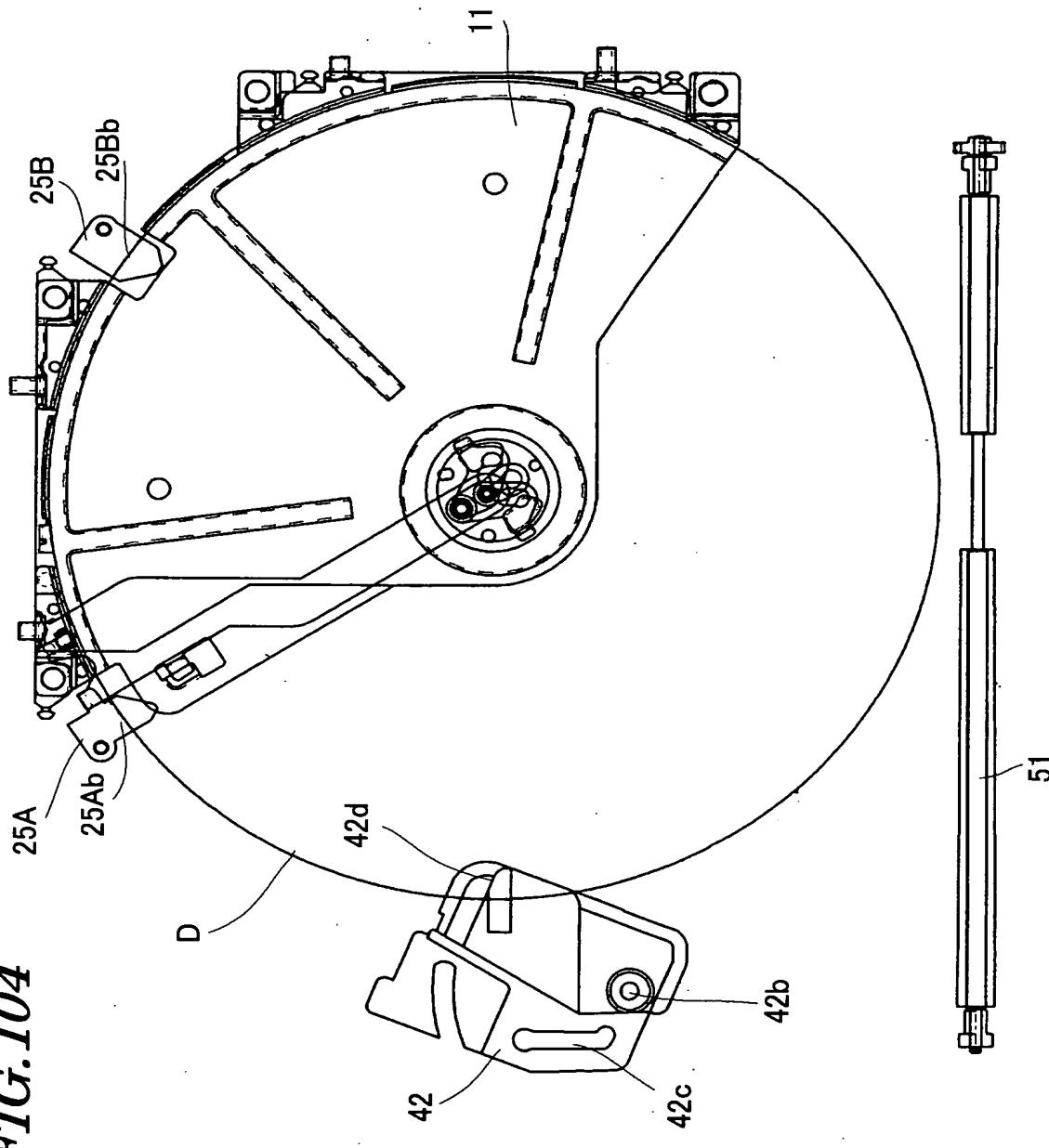


FIG. 103

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FIG. 104



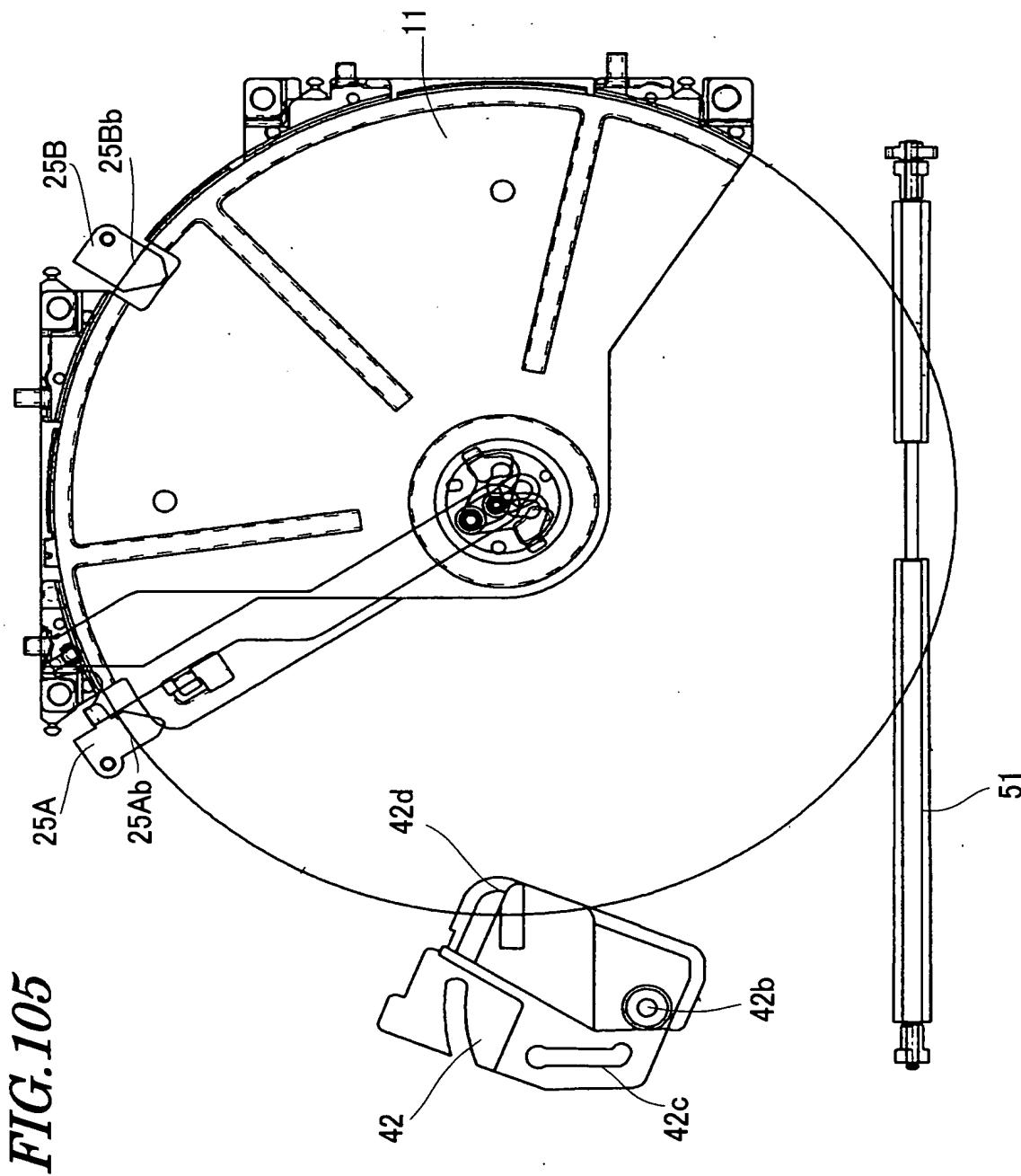


FIG. 105

